

APPENDIX B: AMINO ACID SEQUENCES

> RXA00013 (1-873, translated) 291 residues
 MEGMTNPEQT HPAASLEDMI KTITKTFVIA HDQDSDEHLA QALVYNAGRL AWRMRENGVD
 TDYKTSVSDV VTDADRAAEA FVAGVLEALR PEDGVLGEEG ADRASKSGKT WVIDPVDGTY
 NFTQGS DYWC SALALVEGDP SAPSRVLF GA VHRPAMGYTW FGGPGIRTTL DGKELDLLVD
 APLNQISLAT YIHPSRIAEP DIQKAWMSVA THPATLRMFG AGSIDLANIA DGSMGAWVQH
 SVADWDWLPG RALIEGVGGA CIKVTAGGVE WSVAGNAEAV SEISETLSAL D

> RXA00014 (1-780, translated) 260 residues
 MSKYADDLAL ALELAELADS ITLDRFEASD LEVSSKPDMT PVSDADLATE EALREKIATA
 RPADSILGEE FGGDVEFSGR QWIIDPIDGT KNYVRGVVPVW ATLIALLDNG KPVAGVISAP
 ALARRWWASE GAGAWRTFNG SSPRKLSVSQ VSKLDDASLS FSSLSGWAER DLRDQFVSLT
 DTTWRLRGYG DFFSYCLVAE GAVDIAAEPE VSLWDLAPLS ILVTEAGGKF TSLAGVDGPH
 GGDVATNGI LHDETLDRLK

> RXA00030 (1-390, translated) 130 residues
 MRIEITSVFV DDQAKALDFY TTKLGFELKH DVTAGDYRWL TVVDPENPDG VQLLLEPNQH
 PDAATYQAGI KRDGIPATQF YVDDVQEEYD SLKDKGVDFI MEPTDVGPSV IAILDDTVGN
 LIQIVQLKQN

> RXA00032 (1-1509, translated) 503 residues
 MNTPLQLNTE NLQEIASTSG VQIPAFNRAD VAPGIVHFGV GGFHRAHQAM YLNELMNEGK
 ALDWGIIGMG VMPDVDVRMRD ALASQDHLYT LTTKAPDGTL DQKIIGSIID YVFAPEDPAR
 AVATLAQDSI RIVSLTVTEG GYNIDPATED FDHTNPRIVA DREALQAGDT STLQTFEGLI
 TAALISRKES GSTPFTIMSC DNIQGNGLA KRFFLAFAHS VSSELGEWVE NNVAFPNSMV
 DRITPETTDG DRDDIKEIGY IDAWPVVSED FTQWVLEDAF TQGRPAYEEV GVQVVSDEVP
 YELMKLRLLN ASHGQLCYFG HLAGHHMVHD VMADTRFQDF LLAYMEREAT PTIKELPGVD
 LDAYRRQLIA RFGNAAVKDT VPRICAESSD RIPKWLLPVV RENLAAGRDV TLSAAIVASW
 ARYAEGTDEQ GNPIKIVDRL SERVQENASG NRTDILSFIR DRGIFGDLVD AEPFTKAYSE
 TLSSLHDRGA EATIDALLTQ VTV

> RXA00038 (1-1158, translated) 386 residues
 MSFAEHAIW HVYPLGALGA PIRPEAPAPV THRLPNLIGW LDYVVELGCN ALMLGPVFES
 VSHGYDTLDF YRIDPRLGTE EDMDALLEAA NQRGIGVLFD GFVFNHVSSSS KYLDLTTGAS
 FEGHDILAEI DHTNPAVVDL VVDVMNHWLD RGIAGWRLDA VYAIAPFEWE KVLPEVRRKH
 PHAWIVGEMI HGDYS DYVKS SGIDSVTEYE LWKAIWSSIK ERNFFELEWT LSRHNEFLDT
 FVPQTFIGNH DVTRIATRIG QSNAILAAAI LFTVGGTPSI YYGDEQGFTG LKEDNVFGDD
 AIRPPLPAEF SPLGTWIENI YKALIALRRQ HPWLYQAHTV VLEIANEAMT YKSVGLGSEE
 LTVHLDLEEV SVRILDGEKV LFQYSA

> RXA00041 (1-1242, translated) 414 residues
 MHTELSSLRP AYHVTTPQGR LNDPNGMYVD GDTLHVYYQH DPGFPFAPKR TGWAHTTTPL
 TGPQRLQWTH LPDALYPDAS YDLGDCYSGG AVFTDGTLLK FYTGNLKIDG KRRATQNLVE
 VEDPTGLMGG IHRSPKNPL IDGPASGFTP HYRDPMISPD GDGWMVLGA QRENLTGA AV
 LYRSTDLN EW EFSGEITFDL SDAQPGSAPD LVPGGYMWEC PNLFTLRDEE TGEDLDVLIF
 CPQGLDRIHD EVTHYASSDQ CGYVVGKLEG TTFRVLRGFS ELDFGHEFYA PQVAVNGSDA
 WLVGWMGLPA QDDHPTVARE GWVHCLTVPR KLHLRNHAIY QELLLPEGES GVIRSVLGSE
 PVRVDIRGNI SLEWDGVRLS VDRGGDRRA EVKPGELVIA DDNTAIEITA GDGQ

> RXA00042 (1-759, translated) 253 residues
 MDIIICKDEQ EVGKAAAALI APFATKGGTL GLATGSSPLS TYQELIRMYE AGEVSFKNCK
 AFLLEDEYVGL TRDDENS YFK TIRKEFTDHI DIVDEEVYSP DGANPDYEA AA EYEAKIAA
 ESVDVQILGI GNGHIAFNE PSSSLSGLTK VQALHPKTVE DNARFFNTIE EVPTHALTQG
 LGTLSRAQNI VLVATGEGKA DAIRGTVEGP LTAMCPGSIL QMHNNATIIV DEAAASKLEN
 ADHYRLMEQL KLR

> RXA00043 (1-1164, translated) 388 residues

MAEVVHYQEN AGQAVKKIEG RIVTPHGVID GFLQLENGII TELSGEPAPK NAGFHPPELPT
 IVPSFIDLHN HGGNGGAFPT GTQDQARNAA QYHREHGTTV MLASMVSAPA DALAAQVENL
 IPLCEEGLLC GIHLEGPFIN ACRCGAQNPDL FIFPGNPTDL AQVIHAGKGW IKSITVAPET
 DNLTELLDLC AAHHIIASFG HTDADFDTT SAIALAKEKN VTVTATHLFN AMPPLHHRDP
 GSVGALLAAA RAGDAYVELI ADGVHLADGT VDLARSNNAF FITDAMEAAG MPDGEYILGV
 LNVTVTDGVA RLRDGGAIAG GTSTLASQFV HHVRRGMTLI DATLHTSTVA AKILGLSDHE
 IVKSNPVNFV VFDSNGQLQQ VHLDHQVI

> RXA00055 (1-138, translated) 46 residues
 VDVVDIARWQ FGITTVYHFI FVPLTIGLAP LVAIMQTFWQ VTGKEH

> RXA00098 (1-1620, translated) 540 residues
 MADISTTQVW QDLTDHYSNF QATTTLRELFK EENRAEKYTF SAAGLHVDLS KNLLDDATLT
 KLLALTEESG LRERIDAMFA GEHLNNTEDR AVLHTALRLP AEADLSVDGQ DVAADVHEVL
 GRMRDFATAL RSGNWLGHGT HTIKKIVNIG IGGSDLGPAM ATKALRAYAT AGISAEFVSN
 VDPADLVSVL EDLDAESTLF VIASKTFTTQ ETLSNARAAR AWLVEKLGEE AVAKHFVAVS
 TNAEKVAEFG IDTDNMFGFW DWVGGRYSVD SAVGLSLMAV IGPRDFMRFL GGFHAMDEHF
 RTTKFEENV P ILMALLGVWY SDFYGAETHA VLPYSEDLSR FAAYLQQLTM ESNGKSVHRD
 GSPVSTGTGE IYWGEPTNG QHAFFQLIHQ GTRLVPADFI GFARPKQDLP AGERTMHDLL
 MSNFFAQTKV LAFGKNAEEI AAEGVAPELV NHKVMPPGNRP TTTILAEELT PSILGALIAL
 YEHIWMVQGV IWDINSFDQW GVELGKQQAN DLAPAVSGEE DVDSGDSSTD SLIKWYRANR

> RXA00148 (1-1998, translated) 666 residues
 MTSIPNFS DI PLTAETRASE SHNVDAGKVW NTPEGIDVKR VFTQADRDEA QAAGHPVDSL
 PGQKPFMRGP YPTMYTNQPW TIRQYAGFST AAESNAFYRR NLAAGQKGLS VAFDLATHRG
 YDSDNERVVG DVGMAVVAID SILD MRQLFD GIDLSSVSVS MTMNGAVLPI LAFYIVAAEE
 QGVGPEQLAG TIQNDILKEF MVRNTYIYPP KPSMRIISNI FEYTSLKMPR FNSISISGYH
 IQEAGATADL ELAYTLADGI EYIRAGKEVG LDVDKFAPRL SFFWGISMYS FMEIAKLRA
 RLLWSELVAK FDPKNAKSQS LRTHSQTSGW SLTAQDVYNN VARTAEIEMA ATQGHQSLH
 TNALDEALAL PTDFSARIAR NTQLLLQOES GTVRPVPDPA GSYYVEWLTN ELANRARKHI
 DEVEEAGGMA QATAQGIPKL RIEESAARTQ ARIDSGRQAL IGVNRYVAEE DEEIEVLKVD
 NTKVRAEQLA KLAQLKAERN DAEVKAALDA LTAAARNEHK EPGDLQNL KLAVIDAARAK
 ATIGEISDAL EVVFRGHEAE IRTLSGVYKD EVGKEGTVSN VERAIALADA FEAEGERRPR
 IFIAKMGQDG HDRGQKVVAS AYADLGMDVD VGPLFQTPAE AARAAVDADV HVVGMSSLAA
 GHLLTL

RXA00149 (1-1848, translated) 616 residues
 LTDLTKTAVP EELSENLETW YKAVAGVFAR TQKKDIGDIA VDVWKKLIVT TPDGVDINPL
 YTRADESQRK FTEVPGEFPF TRGTTVDGER VGWGVTTETFG HDSPKNINAA VLNALNSGTT
 TLGFEFSEEF TAADLKVALE GYVLNMAPLL IHAGGSTSEV AAALYTLAEE AGTFFAALTL
 GSRPLTAQVD GSHSDTIEEA VQLAVNASKR ANVRAILVDG SSFSNQGASD AQEIGLSIAA
 GVDYVRRLVD AGLSTEALK QVAFREAVTD EQFAQISKLR VARRLWARVC EVLGFPELAV
 APQHAVTARA MFSQRDPWVN MLRSTVAafa AGVGATDVE VRTFDDAIPD GVPGVSRNFA
 HRIARNTNLL LLEESHLGHV VDPAGGSYFV ESFTDDLAEK AWAVFSGIEA EGGYSAACAS
 GTVTAMLDQT WEQTRADVAS RKKKLTGINE FPNLAESPLP ADRRVEPAGV RRWAADFEAL
 RNRSDAFLEK NGARPQITMI PLGPLSKHNI RTGFTSNLLA SGGIEAINPG QLVPGTDAFA
 EAAQAAGIVV VCGTDQEYAE TGEGAVEKLR EAGVERILLA GAPKSFEGSA HAPDGYLNMT
 IDAAATLADL LDALGA

> RXA00195 (1-561, translated) 187 residues
 VTKKILILGS TGSIGTQALD VIADNSDKFE VVGIAAGGSQ PDLVISQAQQ LGLAADKVAV
 ADAQAAAVIS KALGGEIISG TDAAKILVET TKADTVLNAL VGSLGLAATL ATLESGAHLA
 LANKESLVAG GEFVTSKAKL GQIIPVDSEH SAMAQCLRSR TRDEVARIVL TASGGPFPRAG
 PGRRCGR

> RXA00196 (1-615, translated) 205 residues
 MWEVTPEQAA AHPTWAMGQM NTLNSATLIN KGLELIEATL LFETDADLID VTVHPQSIH
 SMITFTDGAT IAQASPPSMK LPIALALDWP HRVPKAQPAL DFTAAHTWAF EPVDDAAFFA
 VQLARHVAKQ KGTYPVAVNA ANEEAAEAFL RGRIKFPQIV DVVDEVLQGA SQFAGVASHV
 DDILATESEA RARANALINR LATNL

> RXA00202 (1-942, translated) 314 residues
 MYARKLIAALS ASVVLAFLSLS ACNRESSGTS ADGGSADGSI TLALSTQTNP FFFVQLRDGAQ
 EKADELGVTL NVQDASDDAA TQANQLNNAV TTGAGVVIVN PTDSDAVVPS VEALNQADIP
 VVAVDRSSNG GEVASFVASD NVAGGAQAAA ALAEAI GGEG EILMLQGIAG SSASRDRGQG
 FEEIIAKHEG ISIVAKQTAN FDRGEGLDVA TNLLQAHPNV KAIFAENDEM ALGAIEALGA
 RAGEDVIVVG FDGTNDGLAA VEDGRMLATV AQQPEELGAK AVEEAAKLLR GEDAETEVPV
 EVVTVKLDNV ADFK

> RXA00206 (1-1038, translated) 346 residues
 MEDMRIATLT SGGDCPGLNA VIRGIVRTAS NEFGSTVVGY QDGWEGLLGD RRVQLYDDED
 IDRILLRGGT ILGTGRLHPD KFKAGIDQIK ANLEDAGIDA LIPIGGEGTL KGAKWLSNDG
 IPVVGVPKTI DNDVNGTDFT FGFDTA VAVA TDAVDRLHTT AESHNRMIV EVMGRHVGWI
 ALHAGMAGGA HYTVIPEVPF DIAEICKAME RRFQMGEKYG IIVVAEGALP REGTMELREG
 HIDQFGHKTF TGIGQQIADE IHVRLGHDVR TTVLGHQIRG GTPTAFDRVL ATRYGVRAAR
 ACHEGSFDKV VALKGESIEI ITFEEAVGTL KEVPFERWVT AQAMFG

> RXA00224 (1-951, translated) 317 residues
 MSISYVLVEQ LDGRPEPVTI ELITAARALG DVVAVVVGEP GAGVNLAAEL GNWGAAQVVS
 AEISGASNRL ILPAVDALHI LAANNPGPIV IAATASGNEI AGRLAARLAS GVLTDVVGIN
 ADRTAQQSIF GDTIQVSAAV GGASPLYTLR PGALDGVAVP ATGELATIEI PGATAKDVTI
 TSFTPTSTQSD RPELPQAKVV IAGGRGVGSE ENFRSIVEPL ADALGGAVGA TRDAVDLGYG
 PGEYQVGQTG VTVSPDLYIG LGISGAIQHT SGMQTAKKVI VINNDEDAPI FQIADLGTVG
 DLFDIAPALI EEINKRK

> RXA00225 (1-786, translated) 262 residues
 MSTIVVLVKN VPDTWSKRTL EADFTLDREG VDRVLDEINE FALEQALRLR ESNPDAGYRV
 VALSAGPAGG EEALRKALSM GADEAIQLSD DALAGS DLLG TAWALNNAIN TIAGVALIVT
 GSASSDGS MG ALPGVLA EYR QVPALTNLSA LKVEGASITA TRIDNHGTYE LQAALPAVVS
 ISDKADKPRF PNFKGIMAAK KAEIKKLSLA EIGVAPEQVG LSHAATAVTA AADRPERSQG
 DVIGASGAEE KIAEYLA SEN LI

> RXA00235 (1-1275, translated) 425 residues
 VAEIMHVFA EILDSRGNPT VEA EVFLDDG SHGVAGVPSG ASTGVHEAHE LRDGGDRYLK
 KGVLKAVENV NEEIGDEL AG LEADDQRLID EAMIKLDGTA NKSRLGANAI LGVSM AVAKA
 AADSAGLPLF RYIGGPNHAV LPVPMNIIT GGAHADSGVD VQEFMIAPIG AETFSEALRN
 GAEVYHALKS VIKKGLSTG LGDEGGFAPS VGSTREALDL IVEAIEKAGF TPGKDIALAL
 DVASSEFFKD GTYHFEGGQH SAAEMANVYA ELVDAYPIVS IEDPLQEDDW EGYTNLTATI
 GDKVQIVGDD FVVTNPERLK EGIAKKAANS ILVKVNIQIG LTETFDVAVM AHRAGYTSMM
 SHRSGETEDT TIADLAVALN CGQIKTGAPA RSDRVAKYNQ LLRIEQLLGD AGVYAGRS AF
 PRFQG

> RXA00246 (1-1035, translated) 345 residues
 MTTAAPQEFT AAVVEKFGHD VTKDIDL PK PGPHQALVKV LTSGICHTDL HALEGDWPVK
 PEPFVPGHE GVGEVVELGP GEHDVKV GDI VGNAWLWSAC GTCEYCITGR ETQCNEA EYG
 GYTQNSFGQ YMLVDTRYAA RIPDGVDYLE AAPILCAGVT VYKALKVSET RPYQFMVISG
 VGGLGHIAVQ YAAAMGMRVI AVDIADDKLE LARKHGAEFT VNARNEDSGE AVQKYTNNGA
 HGVLVTAVHE AAFGQALDMA RRAGTIVFNG LPPGEFPASV FNIVFKGLTI RGS LVGTRQD
 LAEALDFFAR GLIKPTVSEC SLDEVNGVLD RMRNGKIDGR VAIRF

> RXA00251 (1-708, translated) 236 residues
 MKKKIAVVTG ATGGMGIEIV KDLSRDHIVY ALGRNPEHLA ALAEIEGVEP IESDIVKEVL
 EEGVDKLKN LDHVDTLVHA AAVARDTTIE AGSVAEWHAH LD LNVIVPAE LSRQLLPALR
 AASGCVIYIN SGAGNGPHPG NTIYAASKHA LRGLADAFRK EEANNGIRVS TVSPGPTNTP
 MLQGLMDSQG TNFRPEIYIE PKEIANAIRF VIDAGETTQI TNVDVRPRIE LADRKD

> RXA00268 (1-831, translated) 277 residues
 MARGFFLGAT AGRTTLTGEG LQHMDGHSPV LASTNEGVET YDPSFAYEIA HLVRHGRIDRM
 YGPGKGEDVI YYITIYNEPT PQPAEPEGLD VEG LHKGIYL YSRGEGTGHE ANILASGVGM

QWALKAASIL EADYGVRANI YSATSWVNLA RDGAARNKAQ LRNPGADAGE AFVTTQLKQT
SGPYVAVSDF STDLPNQIRE WVPGDYTVLG ADGFGFSDTR PAARRFFNID AESIVVAVLN
SLAREGKIDV SVAAQAAEF KLDDPTSVSV DPNAPEE

> RXA00288 (1-1011, translated) 337 residues

MSAQMDTPDP TMSAVAMLDI IPSDQPDFLI DVEVDRPTPG PHDLLVHIEA VSINPVDTKV
RMRAGKQKHP KILGFDAAGE VVAVGSQVTL FNVGDKVFYA GSNQRPGSNA EYQVVDRLV
GHAPQSLGAH DAAALPLVAL TAWESLFDR LVTQSTTGTL LVLGGSGGVP SALIQLARAL
TGLKVVATAS RPESQEWVTK LGAHEVIDHS KDLSEQISDV DVFSSWTTG REVELATLMK
PQSHLVLIID PVDPNLGAFK QKAIALHWEF MFTRAMFNTF DMGEQKGILN KIADMVDRGQ
FESVTATVLD GLNAANIMEG HRLVEQKGTS GKIVVRV

> RXA00290 (1-963, translated) 321 residues

MTIDLQRSTQ NLTHEEIFEA HEGGKLSISS TRPLRDMRDL SLAYTPGVAQ VCEAIKEDPE
VARTHTGIGN TVAVISDGTA VLGLGDIGPQ ASLPVMEGKA QLFSSFAGLK AIPIVLDVHD
VDALVETIAA IAPSGAINL EDISAPRCFE VERRLIERLD IPVMHDDQHG TAVVILAALR
NSLKLLDRKI EDLKIVISGA GAAGVAAVDM LTNAGATDIV VLDSRGIHD SREDLSPVKA
ALAEKTNPRG ISGGINEAFT GADLFIGVSG GNIGEDALKL MAPEPILFTL ANPTPEIDPE
LSQKYGAIVA TGPVLTCLTR S

> RXA00293 (1-912, translated) 304 residues

MKIFVGFQDY PLTTKALKEA GAEIVDSLEK AEGFVFTQTP GTEFPLLPDG VRWVQFPNAG
LNAYFTAGQI DDKRRWSNAS GYVQQVAEA AMALLGLLIH MHPTMVRADS WAPSTQIDQQ
TRWLDGATVA IVGAGGIGKH LAAMLKPFGA KSLAVSRTGT PTQDFDATEP ISNLHQVLAD
ADHVVLVPL TADTYHLIGK AELKAMQSTA ILINVARGEV VDTEALVDAL DAQEISGAGL
DVTDPPELPD DHPLWGRSNV IITPHVANTL TSMRMLAPV VAENYRRFLA GEKMLTEVDI
HKGY

> RXA00296 (1-2835, translated) 945 residues

TIKENRLDPE VFSQHSRAKL RTDMTTAAAY SSDAGIFRRV PAAVAEPENV EQIRDAIAVA
VARGWSVGR GGGSSVAGNA IGEGLIIDS RYFNRIILDID PVAQTAVVEP GVVCDAIRDA
AAEFGLTYGP DPSTHSRCTI GGMVANNACG SHSVAFGTAA ENLVDVTLML SDGREVTVTK
DGCDDAEINQ KLTDLASKNQ DLISKELGRF PRQVSGYGLH YLAHDMAMK AGTEGTIGII
TRLTVKIVPT PKVKALAVLA FDTVFDAARA AAKLRLPGVA TIEGMGGDLL AALRSKQGS
EAGQNLPGNR IGIEAGGWLY CETGSDTLQA AVQAAEEVAT AVDTIDYVVV SEPSEMRELW
RIRESSAGIV TRLADGGEAW PNWEDSAVPP ENLADYLRDL YALMDKFDYQ GIPFGHFGEG
CVHVRISFDF STKEGLKKFE AFMNEASTLV ASYGGSLSGE HGDGRARSSF LDRMYSAEMR
ALFEEFKLIF DPQRIFNPGV LVWADPVMQG LRMDPGQAL DITPVHKFSK DKGSMINAVN
RCVGVSACRS ESDAMCPSFQ ITGDEVHSTR GRARLLSEMF RGESIADGYR SEEVNEALDL
CLSCKACASE CPVNVDMSTY KAEFLDKHYA GRLRPMAYV MGWLPLLGHV AHKIPLPLTL
IDATMQSALT APVVRKVGG LADRPLISFAH RSLRKYKPKK NSGETVVLWP DSFNTNLDTG
PAHAAIKTLE ALGYNVVIPD GFVCCGLTWH STQGLSMTKK VLEQTAKVMK PYLDQGLTVV
GLEPSCVTML QDEATELSDN PDLARLAALT KPFAEVIAPK ITELVESGSL QLTESTALTQ
VHCHERSLGD PQQSALVLEA LGVKDEQIAT GCCGLAGNWG FEKDHAEMSF ALGERELFPK
VRKAEGHVIA DGFSCRTQIE QGTGKQATHL AEVVLISILEQ NNMAQ

> RXA00309 (1-312, translated) 104 residues

MGQCTVALYR EHSYYTATPW RGTWAADGGG VLMTQAIHYI DLLYWLLGEP VEVFGYTNSF
KHGDNIEVED SAVATVRFES GALATISATT AAEPALGAQV QVMG

> RXA00310 (1-435, translated) 145 residues

MSDKIWKVGI ICGGAISRNI IEAVQAIPGA EVSAVCDVDG AKASETAAY GISPSFTSVD
EILASGVDIV AVCTPHPTHE TVVLAAGAG VHVLCCKPIA IELDSAQRM DACESAGVQL
GVLFQRRFWP AAQKMKKEPS WANAR

> RXA00317 (1-339, translated) 113 residues

VTTPSKKTLL FDLDTGLVDS FPGIRTSFLH TLHEKNWEIP SEERISQVPG PPMEWTFQDL
GMTPEQAQDA LQTYLEHYGQ VGWDLSEAFP GMRDILLIPLI YEGFRLCTAT FQG

> RXA00327 (1-384, translated) 128 residues
 MIQAALWIVL FLFADRLSNP LVFVSAIMFA ISFSSPVANF GFDTICEKLD RRVMVAGTGM
 ANMSAYICAM LATQIIGFLL DWNADGHAYT WSNFQVAWLG LGAVWLAGMI GLAVCLLLQR
 RKNIAFR

> RXA00328 (1-492, translated) 164 residues
 VGVERGKVSA KALVVWLTAM CVYIVAIAGR TSFGVAGVHA IDRFIDIDASR LAVFTSVQVG
 VYVLAQIPMG MLVDRFDARK LLLAGALILA AGQLILGFTD SYMIAIFARV LISVGDSAAF
 LSVMRLLPNW FPMSWTPVLQ QLTGAFGFVG QFSPPRCRFT YSTP

> RXA00329 (1-1224, translated) 408 residues
 MAAITSRTSF GVAGVEAIDR FOVDATRIAV FTSVQVGVYA FAQIPMGILI DKFGPRKLLA
 IGALVMGIGQ LILGFTDSYS IAIIRVFIG AGDASIFLSV MRILPFWFPL KHTPIFTQLT
 TCLGQLGQFF SAVPFMALLG AQGWPVAFVS LGSVVALIAI AALVAVRDTF DPQPKPVESA
 QEADKPSLRA SLKLIVRNPI TWQGFFIHYV LMVWQTVFSM MWGVPLMTLG MGLSATTAGL
 VLSINTLCMV VSAPIIGIIS ARLGYRRDVV AIALSFVQSA VWLVFLASDA PRGLMAIILV
 NIVMGLTTAA SGYGFDTIRE RLDRKILAAG TGLANMGGFL SSMVAAQVMG FLLDHSAGHS
 TYTWVDFRFG FLAILVTWAV GVTGFVVVARL KGGPGRLLA QIRSTKDF

> RXA00340 (1-1146, translated) 382 residues
 VKLVIEADGG SRGNPGVAGS GTVVYSDNKA EVLKEIAYVV GTKATNNVAE YRGLLEGLKA
 ARELGATSVD VYMSDKLVVE QMSGRWKIKH PDMKVLAIEA KEIASEIGSV SYTWIPREKN
 KRADALSNA MDAAAAGKPV GVGDSASVS SASSVAGSEK EDLNCETETK TNWNGATTDP
 TRFLLLRHGQ TAMSVARLYS GRSNPELSEL GEKQAAAAAR RLAQTGGIDA IVSSPLTRTM
 QTAEAAAAAL GMKVRVIDDL IETDFGLWDG KSFSEAHEQD PELHTKWLTG SSVAPPGGES
 LQTVNRRVKK ARESLQREYG AANVLVSVSHV TPIKAIMRQA LDAGPSFFQK AHLDLASLSI
 AEFYEDGPTC VRLFNDTSHL EA

> RXA00379 (1-207, translated) 69 residues
 MSEIVVAQSI GQQFADVAAS GPLFLGILAA ALAGLVSFAS PCVVPLVPGY ISYLAGVVGG
 EVEYSAHAT

> RXA00381 (1-606, translated) 202 residues
 MTQTIVHLVR HGEVHNPEKI LYGRMPGYRL SSRGRSQAAR TAASFEGHDV TYIAASPLQR
 VQETSEPFIK VTGLELITDE DLLEAGNRFE GLRTKGWRSQ LWNPVWRWPLM YNPTLPSWGE
 HYTDILERMM AAVRARVAA EGHEAILVTH QLPVVCVQRH ARGQSLSHNP ATRQCDLASV
 TSLVFQDDQI VGVHYNEPAQ EI

> RXA00385 (1-339, translated) 113 residues
 LGGVFALGWT PCLGPTLAAI ISISAGTEGM TAARGVILIV GYCLGLGLPF LLIALGSSKA
 LTGVEWLRKH SRTLQIIGV FLILVGVALL SGSWAIFINW VRQWTVEYGA TLL

> RXA00386 (1-510, translated) 170 residues
 MLPVNQTYAQ FSDTAFVSAY IIYVLALILS LVYYVKQQGI IDARREQTRV SELVGAGGSA
 DVDTDLPDDI ADGVLADEDL AKREETARKL ANMTQSLMWL GVMVHLVSIV MRALSASRFP
 FGNLYEYILM VTLFAMIGAV LILQRPQFRV VWPWILTPMA GTWFSTVAPS

> RXA00388 (1-303, translated) 101 residues
 TLDNLAYKTA IWTVPFGLG IILGAIWAEA AWGRFWGWDG KETVSFITWV LYAGYLHARA
 TAGWRNTNAA WINILALVTM IFNLFFINMV VSGLHSYAGL N

> RXA00406 (1-975, translated) 325 residues
 DPVEVAADTQ EMIITRIIDN ASVQAASVLR RPVSSARAMA QVRPVTGGRG ASVFLGPRGY
 AAWEAALANG TAVRELDLFDH TFLAAEYSHF GDNIPPILAA AQQAGKGGKD LIRGIATGYE
 IQVNLVRGMC LHEHKIDHVA HLGPSAAAGI GTLLDLVDVT IYQAIGQALH TTTATRQSRK
 GAISSWKAFPA PAFAGKMSIE AVDRAMRGEF APSPIWEGED GVIAWLLSGL DHIYTIPLPA
 EGEAKRAILD TYTKEHSAEY QSQAPIDLAR SMGEKLAAQG LDLRDVDSIV LHTSHHHTHYV
 IGTGSNDPQK FDPDASRETL DHSIM

> RXA00427 (1-432, translated) 144 residues

LLPGIASLFN GALISAYAME RIGVPDYRLF IRGDEVEYHR RLVRSGLPFG TCLTTAYLHP
 DGSDEFKPIIL GGRMHTQYPD NDFKRFFTYR NRGYLMSPQG MRKLLPQEYA RFAWFFLVQK
 RDVKGFWREW RLHKLGRDEK FNRP

> RXA00483 (1-1464, translated) 488 residues

VLVTGATGYI GGRLITELLA AGFQVRATSR KKTSLQRFDW YEDVEAVEAD LTDATELDTL
 FKDVVDVYYL VHSMGGKNVD FEEQEQTAE NVIQAADQAG IKQIVYLSGL HPRNRKIEEL
 SKHMRSREKV AQILLAGQTP ALILRAATII GSGSASFEII RHLTERLPRM IAPQWITNQI
 EPLAIRDVLH YLISAADLKD PVNRSCDIGC GKSYEFADLL RIYADVRGLK RHNVSVPNLN
 PMDKLSGLVI SLVTPVPFQL SFPLAQSMAC DAVTEEHSIK DIISDPPDGF IEYREAVELA
 LAAEFDRGVP TSWDRSWTVQ QPWAGQPTDP EWAGKAVYED VRTEDTDLRA AQVWPIIEGL
 GGVNGWYSAP LLWRLRGIAD RLIGGPGLGG RRDPRHLKLG DRIDWWRVTE IDPPHRLVLT
 AEMKVDGGAW LILEVADKEN GGCTYTQRAI FEPKGLPGYL YWWVVS PFHA IIFPYMRSNI
 LKAARKLT

> RXA00511 (1-513, translated) 171 residues

ELRKNTLVGT VMSNLGLKIA MDEAGITLRT TKVGDRYVLE DLNAGGFSLG GEQSGHIVLP
 DHGTTGDGTL TGLSIMARMA ETGKSLGELA QAMTVLPQVL INVPVSDKST IVSHPSVVA
 IAEAEAEELGA TGRVLLRASG TEELFRVMVE AGDKEQARRI AGRLAHVAAE V

> RXA00512 (1-618, translated) 206 residues

MSSATTTDVR KGLYGVIA DY TAVSKVMPET NSLTIRGYAV EDLVENCSEF EVFYLLWHGE
 LPTAQQLAEF NERGRSYRSL DAGLISLIHS LPKEAHPMDV MRTAVSYMGT KDSEYFTTDS
 EHIRKVGHTL LAQLPMVLAM DIRRRKGLDI IAPDSSKSVA ENLLSMVFGT GPESPASNPA
 DVRDFEKS LI LYAEHSFNAS TFTARV

> RXA00514 (1-408, translated) 136 residues

HERSYAPERA LRRETIELWN KISTVEDPEW TRRYHSVDPA EKAFGARAVI TFKDGTVVED
 ELAVANAHPL GARPFAREQY IQKFRTLAEG VVSEKEQDRF LDAAQRTHL EDLSELNIEL
 DADILAKAPV IPEGLF

> RXA00517 (1-1041, translated) 347 residues

MPEVTVNAQQ LTVLCTDILT KTGVPAAAH LVGDSLQVAD LWGHPHSHGVL RLPWYVRR LH
 SGAMTTHAHV EVLNDLGAVL ALDGHNGIGQ VLADHARKEA VTRAMMFGIG AVSVRNSNH
 GTAMYYTRKA AAQGCVSILT TNASPAMAPW GGREKRIGTN PWSIAAPFGE TATVVDIANT
 AVARGKIYHA RQTNMPIPET WAITSEGAPT TDPAEAINGV VLP MAGHKG Y AISFMMDVLS
 GVLTGSQHST KVHGPYDPTP PGGAGHLFIA LDVAAFRRDPQ DFDDALSDLV GEVKSTPKAQ
 NTEEIFYPGE SEDRAHRKNS AHGISLPEKT WMELQELAI E NHVVTHR

> RXA00518 (1-297, translated) 99 residues

VLPVLAARHD GEKWVAMYEN MRDAMDARTG IKPNLDFFAG PAYHLLGFPV DFFTPLFVIA
 RVAGWTAHIV EQYENNSLIR PLSEYNGEEQ REVAPIEKR

> RXA00521 (1-1059, translated) 353 residues

LDAADEVQIK HIAADGTETI LKDSLKLLEG EVLDGTVLSA KALDAFLLEQ VARAKAEGIL
 FSAHLKATMM KVS DPIIFGH VVRAYFADV AQYGEQLLAA GLNGENGLAA ILSGLES LDN
 GEEIKAAFEK GLEDGPDLM VNSARGITNL HVP SDVIVDA SMPAMIRTSG HMWNKDDQEQ
 DTLAIIPDSS YAGVYQTVIE DCRKNGAFDP TTMGTVPNVG LMAQKAE EY SHDKTFRIEA
 DGVVQVSSN GDVLIEHDVE ANDIWRACQV KDAPIQDWVK LAVTRSLSG MPAVFWLDPE
 RAHDRNLASL VEKYLADHDT EGLDIQILYP VEATQLSIDR IRRGEDTISV TGN

> RXA00606 (1-1749, translated) 583 residues

MASVPLLGF VSKEGMITAF MDAPIGNSYV VLLLVGAAIG AVLTFTYS AK LVLGAFVDGP
 RDMSHVKEAP VSLWLPAALP GLMSLPLVLV LSLFDAPVSA AATSAAGEAA HMHLALWHGI
 NTPLLISLGV LVAGILGVLF RKELWKIAET SPFIATGND ILSMLVYRAN LLGKFFGRMA
 DSMSPRRHLV SLIVLLWALA AFATIHPSVQ LAPKQPGIDR WIDLIPLAI ALSVFGLLT
 RNRLSAAVLV GTVGVGVSFQ MLLLGAPDVA LTQFLVEGLV VVIIMMVVRH QPANFKRIKP
 SRRRSTVLVA VLAFAAFMA VWGLLGRHER SELAMWYLNQ GPEITSGANV VNTILVEFRA
 LDTLGELSVL GMAAVVIGAM VASMPRHPFA KGTHRPFGQ SQLNSIPLRM LLKVLVPALC
 FLSFMVFMRG HNPDGGGFIA ALIAGGALML LYLSKAKDGR IFRPNVPFIL TGAGILMAVF

SGVLGLTHGS FLYAIHFNFV GQHWTTSMIF DLGVYLAVLG MVSMAINGLG GYLRLPGTDNA
 DLDYARRSGP LPATPTVEPE PEGDEDWPEP INPAGDNKEE ANR

> RXA00608 (1-765, translated) 255 residues
 MAMDVLLPIF VAVPLAASAI AVLLPWRLIR DILHIIVPFA GIFAGIWLFA HTAEHGPIAH
 NVGLYVGGVA IPFAADTFSA IMLITTSIVA VAANWFATIV GETRARFYPA LTLMLITGVN
 GALLTADLFN FFVFIEVMLL PSYGLIAMTG TWARLASGRI FVLVNLSAST LLVAGVGIVY
 GVIGSVNIAA LQDVVEGNPL VASAMGIVVI AIAVKAGVFP VHTWLPRTYP GTSAAVMGLF
 SGLHTKVAVY MLYRI

> RXA00635 (1-921, translated) 307 residues
 GTDFPYSDFL PKDNVAQVDI NGAHIGRRTT VKYPVTGDVA ATIENILPHV KEKTDRSFLD
 RMLKAHERKL SSVVETYTHN VEKHPVPIHPE YVASILNELA DKDAVFTVDT GMCNVWHARY
 IENPEGTRDF VGSFRHGTMA NALPHAIGAQ SVDRNRQVIA MCGDGGLGML LGELLTVKLH
 QLPLKAVVFN NSSLGMVKLE MLVEGQPEFG TDHEEVNFAE IAAAAGIKSV RITDPKKVRE
 QLAEALAYPG PVLIDIVTDP NALSIPPTIT WEQVMGFSKA ATRTVFGGGV GAMIDLARSN
 IRNIPTP

> RXA00679 (1-1266, translated) 422 residues
 MNTSAETGIL IIGANQSGVQ LAISLRATGF TESITLLGEE DHRPYQRPAL SKEFLQDKID
 KERLIFRSNE YWEENNIRLV KGVRIERIEK NDDGSGVAYG AGQEFAFRRL ALAVGARPRH
 LDLPGLATLEG VTYLRNADDA LALKAMIGSV TDAVVVGGGF IGLEAACSLH EDGKNVTVLE
 YGPRLIGRAV GEETAFFLE QHRSRGVNIV LDARMKQFVG KDGLKSGIEL DLGTVIPAQL
 VIVGIGVIPN TELAAVLGLD INNGIVVDKH AVASDGTIA IGDVANIPNP IPGSPADERI
 RLESVNNAIE HAKIAAYSLV GQPEAYAGIP WFWSNQGLK LQIAGLTLGY DSTVIRQDPE
 KKKFSVLYYR GDNIIAADCV NAPLDFMAVR SALSARNQNP ADLAADISQP LKKLAVDLEV
 TR

> RXA00680 (1-318, translated) 106 residues
 MSTIHFIHDA GKTRTIEATV GDSVMETAVR NGVPGIVAEC GGSLSATCH VFVDPAQYDA
 LPPMEEMEDE MLWGAAVDRE DCSRLSCQIK VTEGMDLSLT TPETQV

> RXA00682 (1-1899, translated) 633 residues
 MANKSFPKPS DLPVPKGAEG WEDLYPYLV FQDKLMDQEN EKFWFCDSQH WPTVFKPFET
 JGGEFAVKCL GQYNARHLMI PNANGIEFRV HLGLYMSPI PVPEDQIAER VPMFQERITH
 YFQNWEPMLA NWKERVLTGT NELESLEFKP LPDYVPIDDI VSGKAKDGTE VLMENFDRLI
 QLAYQNWQYH FEFLNLGYIA YLDFNFCKE VFPDIPQSI SMMVQGVDM E LFRPDDELKI
 LAQLAVDLGL QTHFANPDDP QATLAAIAKA EGGATWIARW EEAQDPWFNF TVGNFYGH
 KYWIEHLELP LGYIADYIRR LDEGQTISR KDELIAEKER VVEEYRDL D GEQLAQF DAK
 CGLAATAYPY VENHNFIYIEH WTMSVFWRV RELSRTLQGY GFWENEDDML YLNRTVDRDV
 LFDLATAWGV GAPGGPIGTI IWPEEIERK AIVTALKTAR PAPALNTPPE SITEPFT RML
 WGITTEQVQS WLGNDDEAE GTLKGM AASP GVVEGYARVI LSADDLSEIQ QDEILVAPVT
 APSWGPIFGK IKATVTDIGG MMSHAAIVCR EYGLPAVTGT GAASTTIKTG DYLVKVDGTKG
 KVVIVDPDAF RIEGPGAHSH AHSVAAHGVD THA

> RXA00683 (1-1092, translated) 364 residues
 MTNSLNIPFV QRFDEGLDPV LEVLGGKGAS LVTMTDAGMP VPPGFVVTTA SFDEFIREAG
 VAEHIDKFLN DLDAEDVKEV DRVSAIRDE LCSDLVPENA RFAVHQAYRD LMERCGGDVP
 VAVRSSATAE DLPDASFAGQ QDTYLWQVGL SAVTEHIRKC WASLFTSRAI IYRLKNNIPN
 EGLSMAVVVQ KMNVS RVAGV AITMNP SNGD RSKITIDSSW GVGEMVVS GE VTPDNILLDK
 ITLQVVSEHI GSKHAELIPD ATSGSLVEKP VDEERANRRS LTDEEMLAVA QMAKRAEKHY
 KCPQDIEWAL DADLPDGENL LLLQSRPETI HSNVKKETP TPQAAKTIGT FDFSSITVAM
 TGTK

> RXA00686 (1-804, translated) 268 residues
 MAGGNREPGR TVTSKVI AVL GAFEHTMRPL GVTEIAELAD LPPSTTHRLV SELTEGGLLS
 KKSDGRYQLG LRIWELAQNT GRQLRDTARP FIQELYSLS ETAQLVVRDK DEALLIDRAY
 GTKKIPRSAR VGGRLPLNST AVGKILLAFD EPWVKQSYLK LPLNASTPKT IVNPDVLAAQ
 LKQIHSQGFA ITHDEQRIGG ASIAPVWHT GKLGAALGLV VPTAQANLE RYLPILQATS
 QRITKATALI PLDTLLASHK NAERK GDT

> RXA00700 (1-804, translated) 268 residues

MINAITLKPK TFLTLSFLAV LSIVIFFWPL IVNPESFLSD KAQAPLYIAI VIPLVLAABI
AEISENGFDV KAVAMLGVLV AMVAVVRPFG AGAAGFEAVF FVLILGGRFV GPGFGFILGN
TGLFASALLT AGIGPWLPHY MLAAAWVSFG AGLLPQVRGK KEMLIIVLYA IVSSLGYGTM
MNMSFWPYAI GVTSGLSFTP GAPVLENLHT FMLFCLTSM GWDLGRAFFT SVLLLLLTAKP
VLGALRRASR RAAFGVERDF GEAGVPRV

> RXA00703 (1-2286, translated) 762 residues

MTTPPTEISN VNPTANEFDD PDVGRRITSA AGVPGVLHAL QHAVPNRALL PLLTMNKPFG
IDCPGCAWPE PSTANLGVVE FCENGAKAVA EETTPDRAGK EFWAEHSIYD LREKTDHWLG
KRGRITEPMF YDRSSGDDHY RPISWDRAFA IASKLREIE PDEAVFYTSR RAPNEPAYML
QLLARRLGTM NLPDCGNMCH ESTGTALGET LGLGKGSVVM EDFYNTDLLI SVQNPQGTNH
PRALTAFKEL KENGKILAL NMPETGLMK FREPQSVKGA LSISDKLADE YLQIRLDGDR
AFFQALNKEL IRRDALDHAF LDKFCSGVDE TIEHLKSLDD EVLLKGCGLT AAEINKAADM
VEKSDTVVVS WTLGVTHQHN AVYTIREMVN FLLLTGNIGK PGAGTAPLRG HSNVQGDRTM
GIWEKMPEAF LAALENEFGF DVPRKHGFDV VNSLRAMREG KTKFFLSLGG NLVRVSSDTS
VVEKGMESNE LTVHLSTKPN GSQAWPGEQS LILPVIARTD KDVQKSGVQR VTVEDSAGAV
HASTGKRTAN KDLNLKSECD IIGTIGKQTF GDAFWQPMID NYDVVRDHIE ATIPGFHDFN
RRIDNPGGFL LPNGPRERIF NTSNGKAQLT VNETNVIPL KDYLLMNTVR SHDQYNSTIY
GLDDRYRGVR NGRRVVFVNP QDCKQRLGKD GDIVDIVSVF DDGERRAPNF RVVEYDTARD
CVTTYFPEAN VLVPLDSVAE KSNTPVSKSV VVRLEATGRT AS

> RXA00705 (1-885, translated) 295 residues

PRVVSTDEQV FVNTRPDTVA VEEPLEIRVN GTALTMTMRT PGHDIELVHG LLLSEGLITD
ASEVFTARYC AGAVGPDNQN TYNVLELDVI PKDNPARDPV QNPSHNPEGS QHEALHIPTF
QPVRELNLVA AQRNVLTSTA CGVCGTTSIE QLMNKKGWPI TPITPDPRMI VSLPDKLKSK
QKIFDKTGGV HAAGLATLDG EMLIIREDDV RHNAADKVI NMLMAGKLPL ENTILVMSSR
ASFELVQKAA MAGISGVIAV GAATSLAIEA AQDSGIFLAG FVRGNKFNHY AGELG

> RXA00782 (1-882, translated) 294 residues

MSIFLNSDSR IIIQGITGSE GSEHARRILA SGAKLVGGTN PRKAGQTILI NDTELPVFGT
VKEAMEETGA DVTVIFVPPA FAKAAIEAI DAHIPLCVII TEGIPVRDAS EAWAYAKKVG
HTRIIGPNCP GIITPGESLA GITPANIAGS GPIGLISKSG TLTYQMMYEL SDIGISTAIG
IGGDPIIGTT HIDALEAFEA DPETKAIVMI GEIGGDAEER AADFISKHVT KPVVGYVAGF
TAPEGKTMGH AGAIVTGSEG TARAKKHALE AVGVVRVGTTP SETAKLMREV VAAL

> RXA00783 (1-1272, translated) 424 residues

LKHLRLREDF VKDAEGSKHG PEMELAVDLF EYQARDLFET HGVPVLKGIV ASTPEAARKA
AAEIGGLTVV KAQVKVGGRG KAGGVRVAPT SAQAFDAADA ILGMDIKGHT VNQVMVAQGA
DIAEYYFYSI LLDRANRSYL AMCSVEGME IEILAKEKPE ALAKVEVDPL TGIDEDKARE
IVTAAGFETE VAEKVIPVLI KIWQVYEEE ATLVEVNPLV LTDDGDVIAL DGKITLDDNA
DFRHDNRGAL AESAGGLDIL ELKAKKNDLN YVKLDGSGVI IGNGAGLVMS TLDIVAAAGE
RHGGQRPANF LDIGGGASAE SMAAGLDVIL GDSQVRSVVF NVFGGITACD VVAKGIVGAL
DVLGDQATKP LVVRLDGNNV VEGRRILAEY NHPLVTVEG MDAAADHAAH LANLAQHGF
ATAN

> RXA00794 (1-1005, translated) 335 residues

MNLKNPETPD RNLAMELVRV TEAAALASGR WVGRGMKNEG DGAAMDAMRQ LINSVTMKGV
VVIGEGEKDE APMLYNGEEV GTGFGPEVDI AVDPVDGTTT MAEGRPNAIS ILAAAERGTM
YDPSSVFYMK KIAVGPEAAG KIDIEAPVAH NINAVAKSKG INPSDVTVVV LDRPRHIELI
ADIRRAGAKV RLISDGDVAG AVAAAQDSNS VDIMMGTGGT PEGITACAM KCMGGEIQGI
LAPMNDFERQ KAHDAGLVLD QVLHTNDLVS SDNCYFVATG VTNGDMLRGV SYRANGATTR
SLVMRAKSGT IRHIESVHQL SKLQEYSVVD YTTAT

> RXA00799 (1-1584, translated) 528 residues

LQFRDLGDG VLAPYEDWRL TPAERAADLV KRMNVEEKAG LMIIGSHYPG YSPLAPESEG
KDAEKCEPLL NPVDMWREDN PITGVPFTEP VLATSTENA INLRNQRYLI VRDNLPARGL
ATWTNAVQEV AERSRLGIPV AFASNPRNHV ALVAQFGVNE SAGVFSEWPG ELGLAALRDA
ELMETFGTEA AKEWRAGGVH KLYGYMADLA SEPRWSRFNG TFGEDPELIS DYIAAVVRGL

QGPESKNSV STTIKHFP GG GVRLDGHD PH FHWGQTNEYP TEDALGKYHL PPFQAAIDAG
 CASIMPYAR PMNNSANQLD QQLWQNPTTQ FEEVAFAYNR TFIQDLLRDA MGRGYVNSD
 SGVIDAMMWG VEELSEPERF AAARAGTDI FSDMANPRRL LEAVAEGHLD ESELNQPVQR
 LLEEIFQLGL FENPYVSEDE AEKIIGAPEV SALGNKAQLD SVTLRNNPI RAATGSCSKP
 EDLPIGYWY QDRRGSTTAG SSHSRRTPRG NLGVFRVRSR SCNRVGSP

> RXA00800 (1-1104, translated) 368 residues

MSTVVP GIVA LSKGAPVEKV NVVVPDPGAN DVIVKIQACG VCHTDLAYRD GDISDEFPYL
 LGHEAAGIVE EVGESVTHVE VGDFVILNWR AVCGECKRACK KGEPKYCFNT HNASKKMTLE
 DGTLSPALG IGAFLEKTLV HEGQCTKVN EEDPAAAGLL GCGIMAGLGA AVNTGDIKRG
 ESVAIFGLGG VGMAAIIAGAK IAGASKIIAV DIDEKKLEWA KEFGATH TIN SSSLGGEGDA
 SEVVAKVREL TDGFGTDVSI DAVGIMPTWQ QAFYSRDHAG RMVMVGVPNL TSRVDVPAID
 FYGRGGSVRP AWYGDCLPER DFPTYVDLHL QGRFPLDKFV SERIGLDDVE EAFNTMKAGD
 VLRSVVEI

> RXA00825 (1-933, translated) 311 residues

MRTVVTGGAG FIGSHLVDLL IKEGHEVVVI DNLSRGREN LSDAEATGKL TEVEADLLDV
 DFNEFLGTHK PEVIFHLAAQ IDVRHSVVD LHD AETNLS TIRIADAARQ HGVRKVFTS
 SGGSIYGEPS EFPVDETVPV DPHSPYAASK VSGEIYLN TF RHLYGLDCSH IAPANVYGR
 QDPHGEAGVV AIFALRLLGG LDTKVFGDGG NTRDYVYVGD VVRAFYLASG EIGGGERFNI
 GTSVETSDRQ LHTLVATAAG SKDDPEYAPA RLGDVPR SAL SFGKAKEVLG WEPEVNIEQG
 VAKTVEYFRT H

> RXA00871 (1-864, translated) 288 residues

MRWFHKKGEL ARDGWQSVVD ATTPGWEYTG IRIAELSGE SLELNDTGVE RIFIPLQGSF
 DVAHHGQVTH LHGRKSVFDG PTDVLYLPTG QTATLSGQGR VAVAEAPTQE PKEWKYIAPA
 ETPVEIRGAG RSSRQVHNFG TPEALDAARL IVCEVITPGE NWSSYPH KH DEHIPGHESK
 LEEIYYFESA PSRVGGRAEA AEGAFGMFST YSSPAGEIDI NAMVYSGDIA LVPFGYHGPA
 VAAFPGYDLYY LNMAGPDPE RIWLINDDPA HAWVRDTWTG QAFDDRPL

> RXA00872 (1-522, translated) 174 residues

MTNLTSTHEV LAIGRLGVDI YPLQSGVGLA DVQSF GKYL GSAANVSVA ARHGHNSALL
 SRVGNDFGE YLLAELERLG VDNQYVATDQ TFKTPVTFCE IFPPDDFPLY FYREP KAPDL
 NIESADVSLD DVREADILWF TLTGFSEEPS RGTREILTT RANRRHTIFD LDYR

> RXA00879 (1-2100, translated) 700 residues

LNELADLYGV ATSYTDYKGA HIEVSDDTLV KILRALGVNL DTSNLPNDDA IQRQIALFHD
 REFTRPLPPS VVAVEGDELV FPHVHDGSP ADVHIELEDG TQRDVSQVEN WTAPREIDGI
 RWGEASFKIP GDLPLGWHKL HLKSNERSAE CGLIITPARL STADKYLDSP RSGVMAQIYS
 VRSTLSWGMG DFNDLGNLAS VVAQDGADFL LINPMHAAEP LPPTEDSPYL PTTRRFINPI
 YIRVEDIPEF NQLEIDL RDD IAEMAAEFRE RNLTSDIER NDVYAAKLQV LRAIFEMPRS
 SEREANFVSF VQREGQGLID FATWCADRET AQSESVHGTE PDRDELT MFY MWLQWLCDEQ
 LAAAQKRAVD AGMSIGIMAD LAVGVHPGGA DAQNLSHVLA PDASVGAPPD GYNQOQDWS
 QPPWHPVRLA EEGYIPWRNL LRTVLRHSGG IRVDHVLGLF RLFVMPRMQS PATGTIYIFD
 HNALVGILAL EAELAGAVVI GEDLGT FEPW VQDALAQ RGI MGTSILWFEH SPSQPGPRRQ
 EEYRPLALTT VTTHDLPTTA GYLEGEHIAL RERLGV LNTD PAELAEDLQ WQAEILDVAA
 SANALPAREY VGLERDQGE LAELLEGLHT FVAKTPSALT CVCLVDMVGE KRAQNQPGTT
 RDMYPNWCIP LCDSEGNSVL IESLRENELY HRVAKASKRD

> RXA00909 (1-855, translated) 285 residues

VLILFLALTA AAVVAPILIR TLGRPAGLL ALVP GIGFFW VLSEFIKGT F KDGGELL LHY
 AWMPSAHLNI DFRMDSL AAL FSLIVLGVA LVLLYCWGYF DSNAGRLSAF GAELVAFAMA
 MFGLVISDNI LLMYVFEIT SVLSFLLVGY YGERASSRRS AGQALMVTTL GGLAMLVGII
 LMGTQTGVWR FSEIPAYSSS WADVPIYISAA AALILAGALS KSAIAPTHFW LPGAMAAPT P
 VSAYLHSAAM VKAGIYLVAR LSPDLNVVGS WYLI IIP LGM LTMLM

> RXA00910 (1-1257, translated) 419 residues

YVGFEVLLVA SYVLLTLGAS PARVRSGVGY VMVSMAS MV FLFGLAMVYA SVGT LNMAHV
 GLRMEDVPSG TRSAIFAVLL VAFGIKAAVF PLDSWLPDSY PTAPSLVTAV FAGLLTKVGV
 YSIIRARSII FTDGSLDTML MWVALATMLI GILGAMAQND IKRLLSFTLV SHIGYMIFGV

ALGSAQGLSG AIFYAIHHIL VQTSFLVLVVG LVERQAGSSS LRRLGSLAYI SPLLAIFYFI
 PAINLGGIPP FSGFLGKIML IEAGAEDGSW LAWVLIAGAV VTSLLTLYTM VLVWSKAFWR
 DRKDAPDGAT ALARPAPLVD VQDEVAVKDR NDVGRMPWGM VFSTALLVSA SLAVSVLAGP
 LSSITGRAAE SAQDVNIYRA AVLGPNYLDP SRTLEMERYD ANRDDINHRV DTNGTEDQP

> RXA00913 (1-2118, translated) 706 residues

IISVVIGIGTR EALLAGLALT VAHSLFKATL FMTVGAIIDHT TGTRDIRKLS GLWRKQPIIF
 AVAAVSAASM AGIPPLFGFI AKETALDTVL NEQMLHGMPG RLMLAGIVLG SIFTMAYSCY
 FLYEAFATKH SKFPEANGVS PAVEAMHPVK FKLWIAPVIL AILTUVFVGF PKPVSEAIIVT
 HLDNVTPSLD DVHTKLALWH GLNLPLLLSV VIIISGFIIF WERDTVERLR PNTAAFGSAD
 TAYDAILDAL RVLSHRLTAS TQRGSLTLNV GVIFFVLTIV PLIALITGEQ SDVRMELWDS
 PIQGFIAAII IVVAIVATTM DNRLSALILV GVTGYGIAVI FALHGAPDLA LTQVLVETIV
 MVVFMLVLRK MPTEVAWKAE PKQSRVRAWL AGATGLSVVI VTIFAMNART TEPISVYMQD
 LAYEIGHGAN TVNVLLVDLR GFDTFGEISV LVIAATGIAS LVYRNRSFRK DSRRPTLATT
 GRRWLAAAVD TERAQNRSLM VDVATRILFP AMIMLSVYFF FAGHNAPGGG FAGGLVASLA
 FALRYLAGGR EELEEALPID AGRILGTGLF VSATAVLWPM VLLGEPPLTS HIWDLTLPLI
 GEIHASALL FDLGVYLIVI GLTMHILNSL GGQLDRDEEM RKQRRARDRRLARNQRREA
 ATVGARRSNE KSTRQMPDIR PPGADTESVE QNGENQTSIS TKRLKQ

> RXA00945 (1-972, translated) 324 residues

MLERLKRLLDP LIVLIVLAVI VAIIPVRGV AADWFDVAVK IAIALLFFLY GARLSTQEAL
 NGLKHWRLHL TILAITFGIF PLIGIGLEPM TAFVSEDIYR GILFLTIVPS TVQSSVAFTS
 IAKGNVAGAI VSASLSNLG VFLTPLLVM IMSAGGGVHV DSQVFLDIAI QLLLPFILGQ
 VCRRWVKNFA ANKATKIVDR GSIAMVVYSA FSAGMVAGIW STVSVLEIIV LIVFAILLVM
 AMLWFTLFMA TRLGFNRAIS IAIQFCGTTK SLATGLPMAA VIFGGANIGL LILPLMIFHQ
 VQLMICAWLA ARYGRDAQEQ KANA

> RXA00965 (1-723, translated) 241 residues

MTTFHDLPIE ERLTLARLGT SHYSRQLSLV DNAEFGEHSL LEGWTRSHLI AHVAYNAIAL
 CNLMHWANTG EETPMYVSPE ARNEEIIAYGS TLNPDALRNL HEHSVARLDV AWRETSADW
 SHEVLTAQGR TVPASETLWM RSREVWIHAV DLGAVATFGD IPEVILRTLA AEITQKWTSQ
 GAGEGLVLLD EPSSTRYPAA PGQDEVVVSQ SLAGIVRYAA GRGSDGVTS TGEVPEPPRW
 L

> RXA00999 (1-1437, translated) 479 residues

MTNGDNLAQI GVVGLAVMGS NLARNFARNG NTVAVYNRST DKTDKLIADH GSEGNFIPSA
 TVEEFVASLE KPRRAIIMVQ AGNATDAVIN QLADAMDEGD IIIDGGNLY TDITIRREKEI
 SARGLHFVGA GISGGEAGAL NGPSIMPGGP AKSYESLGPL LESIAANVDG TPCVTHIGPD
 GAGHFVKMVH NGIEYADMVQ IGEAYHLLRY AAGMQPAEIA EVFKEWNAGD LDSYLIEITA
 EVLSQVDAET GKPLIDVIDD AAGQKGTGRW TVKAALDLGI ATTGIGEAVF ARALSGATSQ
 RAAAQGNLPA GVLTDLEALG VDKAQFVEDV RRALYASKLV AYAQGFDEIK AGSDENNWDV
 DPRDLATIWR GGCIIRAKFL NRIVEAYDAN AELESLLLDY YFKSELGDLI DSWRRVIVTA
 TQLGLPIPVF ASSLSYYDSL RAERLPAALI QGQRDFFGAH TYKRIDKDG S FHEWSSGDR

> RXA01015 (1-342, translated) 114 residues

MRVYLGADHA GFETKNAIAE HLKAHGHEVI DCGAHTYDAE DDYPAFCIEA ASRTVNDPGS
 LGIVLGGSGN GEQIAANKVK GARCALAWSV ETARLAREHN NANLIGIGGR MHSE

> RXA01025 (1-915, translated) 305 residues

VVSVSVMGAG SWGTTLAKVF SDAGNAVTLW ARREELASTI RDSHENRDYL PGITLPESLQ
 VTSSATEALE GAAIVVLAIP SQALRGNLAE WKETIPQDAT LVSLAKGIEK GTHLRMSEVI
 AEVTEADPSR IAVLSGPNLA REIAEGQPAA TVIACPENR AKLVQAQVAA PYFRPYTNTD
 VVGTEIGGAC KNVIALACGI SHGYGLGENT NASLITRGLA EIARLGATLG ADAKTFSGLA
 GMGDLVATCS SPLSRNRSFG ERLGQGESLE KAREATNGQV AEGVISSQSI FDLATKLGEV
 MPITQ

> RXA01048 (1-288, translated) 96 residues

RSDLPNQINN VLAFFGIFAG ALAAKAKKIT PEMKLAAQQR SQTSQLRTSR SAASCLPPWI
 PALPQQRQL SRPSPKRKTL KNLLIDASLP VEAPIF

> RXA01049 (1-1011, translated) 337 residues
 VVKTEFEKEF NKAKYVMTIG EYVYFKLAGI TGMATSIAAW SGILDAHTGE LDLTILEHIG
 VDPALFGEIR NPDEPATDAK VVDKKWKHLE EIPWFHAIPD GWPSNIGPGA VDSKTAVAA
 ATSGAMRVIL PSVPEQIPSG LWCYRVSRDQ CIVGGALNDV GRAVTWLERT IIKPENLDEV
 LIREPLEGTP AVLPPFFSGER SIGWAASAQA TITNIQEQTG PEHLWRGVFE ALALSYQRVW
 EHMKGAGAAP ERVIASGRVS TDHPEFLAML SDALDTPVIP LEMKRATLRG TALIVLEQLE
 PGGTRATPPF GTTHQPRFAH HYSKARELFD ALYLKLV

> RXA01050 (1-474, translated) 158 residues
 MGSIPTMSIP FDDSRGPYVL AMDIGSTASR GGLYDASGCP IKGTKQRESH EFTTGEGVST
 IDADQVVSEI TSVINGILNA ADHNIKDQI AVALDSFAS SLILVDGEGN ALTPCITYAD
 SRSAQYVEQL RAEIDEKAYH GRTGVCLHTS YHPSRLLW

> RXA01077 (1-1371, translated) 457 residues
 MTESQDLAAF VEAAKLNDAS PEAVEQLKIR VLDTVGVAIG ALDAEPIVAI RGLLEDLGGT
 EQSTLIGGGK TSPERAAFFN SALSRYLDFM DAYLAKGETN HPSDNFGAVL AAAESVGASG
 KDLLTAFAVA YQVHTRLSDV APVRAKGFHD TTQGAFAAGA SAAKALGLPA DQIANALAI
 GTANVALRVT RTGNLSHWKG LAYPHVSKEG TWAALLASRG ITGPPEEVFEG NKGFKESVSG
 PFEIDWSKED LESVKRTIHK KHNAEIHQS ALDAAQEIRA QEGFNVDNIE KIHLLTFDVA
 YSIIGGGEED DKQLIRTKEE ADHSLPWMLA VVLLDQGQNP EQYEPSRIVA DDVQTLMKKI
 EITPSDEFSD RFPDHPADL EVTLNDGSVF KASQDSYLG F HDNPLDWDNA RKKFDALVTP
 FTGEELREEI ATIIHELDSR QVSELTEALA KVSTTRS

> RXA01089 (1-750, translated) 250 residues
 LSRFAANLSL TFEELDFLDR FDAASKHAFS AVEFQYPYDF DVQEIQRAD SAGLPIELFN
 APPGDTFGLA ALASPEDFQQ SIEQAITYAT VLKPKKMHVM AGIADVTSET TARYVENIRW
 AAQQLDKLDV VVVIEPINHY SVPGYFLHTL EQAYWLIDSI AHPNVKILFD TFHLQQLHGN
 LTRRLREVHG AGLLGHVQVA SVPDRHEPGT GEVNAAYIFQ LLSELGYDGV IAGEYHPAGE
 TTAGLGWLEL

> RXA01093 (1-1431, translated) 477 residues
 MGVDRTKIV CTLGPAVASA DGILRLVEDG MDVARLNFSH GDHPDHEQNY KVVREAAEKT
 GRAVGILADL QGPKIRLGRF TDGATVWENG ETIRITVDDV EGTHDRVSTT YKNLAKDAKP
 GDRLLVDDGK VGLVCVSVEG NDVICEVVEG GPVSNNKGVS LPGMDISVPA LSEKDIRDLR
 FALKLGVDFI ALSFVRSPAD AELVHKIMDE EGRRVPVIAK LEKPEAVTSL EPIVLAFDAV
 MVARGDLGVE VPLEEVPLVQ KRAIQIAREN AKPVIVATQM LDSMIENSRL TRAEASDVAN
 AVLGDADAVM LSGETSVGKD PHNVVRTMSR IVRFAETDGR VPDLTHTPRT KRGVISYSAR
 DIAERLNARA LVAFTTSGDT AKRVARLHSH LPLLVTFTNE AVRSELALTW GATTFLCPPV
 SDTDEMMREV DRALLAMPEY NKGDMVVVA GSPPGVTGNT NMIHVHLLGD DTRIACL

> RXA01099 (1-825, translated) 275 residues
 MDARGMLAIA EAVVDDAEAL FMQGFGAAPA HMKSPGDFAT EVDMAIESHM RSMNLNMTGI
 AVIGEEGGA TSGTRWVIDP IDGTANFAAS NPMSAILVSL LVDDQPVLGI TSMPMLGKRL
 TAFEGSPLMI NGEPOEPLQE QSSLVSHIGF SSMASPRNTA FPVELRRDLL TELTESYLRP
 RITGSVGVDL AFTAQGIFGA CVSFSPHVWD NSAGVMLMRA AGAQVTDTEG HPWAPGRGVV
 AGTKRAHDVL LSKIEKVRLM HADAGNDQSL NEEYK

> RXA01111 (1-447, translated) 149 residues
 MTSTIEHSYQ VWPGHAYPLG STYDGAGTNF ALFSDVAERV ELCLLDADNN ETRIPLEERD
 AHIWHCYLPG VQPGQRYGFR VHGPWNPDG KRCDAKLLV DPYARAFDGD FDGHPSLFSY
 DITNPNDPNG RNTEDSIDHT MKSVVVNPF

> RXA01130 (1-303, translated) 101 residues
 VGALTGLERV EKITRINGRG LDLRAEGLNL FLQYTDAPGA LGTVGTKLGA AGINIEAAAL
 TQAEKGDGAV LILRVESAVS EELEAEINAE LGATSFQVDL D

> RXA01133 (1-549, translated) 183 residues
 VSQNGRPVVL IADKLAQSTV DALGDAVEVR WVDGPNRPEL LDAVKEADAL LVRSAATTVDA

EVIAAAPNLK IVGRAGVGLD NVDIPAATEA GVMVANAPTS NIHSACEHAI SLLLSTARQI
 LLLMRRCVRA SGSGLLSTVW KFSEKLSVSS VLATLVSCLL SVLLRLRPPL LLTILTLTL
 RAG

> RXA01193 (1-741, translated) 247 residues

MRVALSGLTM AEYFRDVQNO DVLLFIDNIF RFTQAGSEVS TLLGRMPASV GYQPTLADEM
 GVLQERITST KGRSITSLQA VYVPADDYTD PAPATTF AHL DATTELD RSI ASKGIYP AVN
 PLTSTSRILE PAIVGERHYE VSQRVIGILQ KNKELQDIIA ILGMDELSEE DKITVARARR
 IERFLGQNFV VAEKFTGLPG SYVPLTDTVD AFERICNGDF DHYPEQAFNG LGGLDDVEAA
 YKKLTGK

> RXA01194 (1-372, translated) 124 residues

MAEITVELVS VERMLWAGQA SIVTAQTTEG EIGVLPDHEP LLGQLVENGV VTIQPIDGEK
 LIAGVSDGFL SVSKEKVTIL ADFAVWANEV DTASAEADLN SDDELAKAHA EAGLRAVRRS
 SEGL

> RXA01200 (1-609, translated) 203 residues

GCLRWKSEPS VLEVLKDAAE QTWSTPREFR AGLVQLGRRR LLRSAEKQGG LGQVEDELFR
 LSRILDRESK LTQLLSDRTO EIGGRRDLLA KVLVYKVTAV TEALALQAIG RPEHNPIDDI
 AALAGAVAEL QGRSVAHVVT AVELNEGQQQ ALAEKLGRIY GRAMSIHSEV DTSLLGGMII
 RVGDEVIDGS TSGKLERLRA SFA

> RXA01201 (1-1641, translated) 547 residues

MAELTISSDE IRSAIANYTS SYSAEASREE VGVVISAADG IAQVSGLPSP MANELLEFP
 GVIGVAQNLE ADRVGVVVLG NYELLKEGDQ VVRTGDVLSI PVGEAFLGRV INPLGQPIDG
 LGEIASEEDR VLELQAPTIV ERQPVEEPLA TGIKAIAMT PIGRGQRQLI IGDRKTGKTA
 VCVDTILNQK ANWETGDKTK QVRCIYVAIG QKGSTIAAIR KTL EEQGALE YTTIVAAPAS
 DAAGFKWLAP FAGAALAHW MYQGNHVLVI YDDLTKQAEA YRAISLLLR PP GREAYPGD
 VFYLHSRLLE RAAKLSDELG AGSITALPII ETKANDVSF IPTNVISITD GQVFLESDF
 NRGVRPAINV GVSVS RVGGA AQTGKMKKVA GSLRLDLAAF RDLEAFATFA SLD AASKSQ
 LERGQRLVQL LIQSENAPQA VEYQIISLWL AGEGAFDNVP VEDVRRFESE LHEYLGSNAA
 QVYEQIAGGA QLSDESKETL LKATEDFKSA FQTTDGTPIV NEPEVEALDA GQVKKQDLTV
 SRKVSCK

> RXA01202 (1-975, translated) 325 residues

MATIRELRDR IRSVNSTKKI TKAQELIATS RITKAQGRVA AAIFYAEIIQ RVLERLASAS
 SLDHPLMRER EGGKRAAVLV VTSDRG MAGG YNHNVLKKA ELEKLLAESG YEVVRYVTGK
 KGV DYYKFRA EDVAGTWTGF SQDPDWAATH NVRRHLIDGF TASSEGEAAW REGNLNPEGQ
 DIQGF DQVHV VYTEFISMLT QNPVVHQLLP VEPVIEDEIF EKGEDLLSS GEVEPDYEFE
 PDADTLLEAL LPQYVSRRLE SIFLEAAAAE SASRRNAMKS ATDNATELVK DLSRVANQAR
 QAQITQEITE IVGGAGALAD SGESD

> RXA01203 (1-639, translated) 213 residues

MTTALEEQNA QQAATAGRVV RVIGAVVDVE FPRGELPALY NALTVEVTLE SVKKT VVLEV
 AQHLGDNLIR TIAMAPT DGL VRGAAVTDTA RPISVPVGDV VKGHVFNALG DCLDDVSLNN
 NPEIERWGIH REPPSFDQLE GKTEILETGI KVIDLLTPYV KGGKIGLFGG AGVGKTVLIQ
 EMITRIAREF SGTSVFAGVG KRTREGTDLF LEM

> RXA01204 (1-762, translated) 254 residues

MKGEFHAPDL DKEFFPGHVT DSGEVVNMLF TDFANGWFAM DRIVLIRLLM TAVVVVFFLW
 AMRKPKLVPH GVQNFAEYAL DFVGIHIAED ILGKKKGRRF LPILATIFFA ALLMNLATII
 PGLNISSNSR IAFPIVMAVA GYIAFIYAGS KRYGFFKYVK SSVVIPNIPP ALHVLVPIE
 FFSTFILRPV TLALRLMANF LAGHIILVLL FFATNFFFFQ FNGWTAMSGV TILMAVLFTV
 YEIIIVIFLQA YIFA

> RXA01216 (1-1101, translated) 367 residues

TDHTLSALLD AHVEVPTAVT VLTMRLLDDPT GYGRIVRNEE GEVTAIVEQK DASA EVQAID
 EVNSGVFAFD AAILRSALAE LKSDNAQGEL YLTDVLGIAR GEGHPVRAHT AADARELAGV
 NDRVQLAEAG AELNRRTVIA AMRGGATIVD PATTWIDVEV SIGRDVIIHP GTQLKGETVI
 GDRVEVGPD TLTNMTIGDG ASVIRTHGFD STIGENATVG PFTYIRPGTT LGPEGKLGGF

VETKKATIGR GSKVPHLTYV GDATIGEESN IGASSVFVNY DGENKHHTTI GSHVRTGSDT
 MFIAPVTVGD GAYSGAGTVI KDDVPPGALA VSGGRQRNIE GWVQKKRPGT AAAQAAEAAQ
 NVHNQEG

> RXA01225 (1-1440, translated) 480 residues
 MTHNHKDWND RIAVAEEMVP LIGRLHRNNN VVSVFGRLL VNVSDIDIK SHRYARHIIS
 KELPLESLD ILRELVDMNL GTASIDLGQL AYSFEESEST DLRAFLEDAL APVIGAETDI
 NPTDIVLYGF GRIGRLLARI LVSREALYDG ARLRAIVVRK NGEEDLVKRA SLLRRDSVHG
 GFDGTITTDY DNNIIWANGT PIKVIYSNDP ATIDYTEYGI NDAVVVDNTG RWRDREGLSQ
 HLKSGVAKV VLTAPGKGD LKNIVYGINHT DITADDQIVS AASCTTNAIT PVLKVINDRY
 GVEFGHVETV HSFTNDQNL I DNFKGSRG RAAGLNMVLT ETGAAKAVSK ALPELEGKLT
 GN AIRVPTPD VSM AVLNLTL NTEVDRDEVN EFLRRVSLHS DLRQQIDWIR SPEVVSTDFV
 GTTHAGIVDG LATIATGRHL VLYVWYDNEF GYSNQVIRIV EEIAGVRPRV YPERRQPAVL

> RXA01227 (1-321, translated) 107 residues
 MTYTIAQPCV DVLDRACVEE CPVDCIYEGK RMLYIHPDEC VDCGACEPVC PVEAIFYEDD
 VPHEWWDYTG ANAAFFDDL G SPGGAASLGP QDFDAQLVAV LPPQNQN

> RXA01242 (1-777, translated) 259 residues
 MYAEERRRQI ASLTAVEGRV NVTELAGRFD VTAETIRRD L AVLDREGIVH RVHGGAVATQ
 SFQTTELSL TRFRSASSAK YSIKAAQMF LPAEHGGLFL DAGTTVTALA DLISEHPSSK
 QWSIVTNCLP IALNLANAGL DDVQLLGGSV RAITQAVVGD TALRTLALMR ADVVFIGTNA
 LTLDHGLSTA DSQEAAMKSA MITNAHKVVV LCDSTKMGTD YLVSFGAISD IDVVVTDAGA
 PASFVEQLRE RDVEVVIAE

> RXA01243 (1-960, translated) 320 residues
 MILTVTASPY LLSTNELDGT IEIGEANKIR QVSTVAGGFG TGVAATLFYG GNETFAVFPA
 PEISHYMLRV TFAGLPHEII PVAGPIPMHL TMRDAEGNET KFKDSPMPLD VSQLAIRDL
 VVRR AEDA AW VLLGGNLPSI APAAWFVDV RSLRLYHPHV KVAIAATGAA LRAVIRQLAA
 TSPDALIVAA EEIEIATGLE PKTLRGPWVE GDLSPTVAAA RALIDSGVTE VLVTNKRTE
 LYVSE3ESLL ASYDSTPGKQ GVNWRESFTA GFLAASNDGK STEDSVINAV AYANAEGSEW
 DNYIPTPKL RAEHVVIKSL

> RXA01259 (1-858, translated) 286 residues
 MGTRFLPATK TIPKELLPVV DTPGIELVAK EAADLGATRL AIITAPNKDG ILKHFEFPE
 LEATLEARGK TDQLNKVRAA RELIATVPVV QEKPLGLGHA VGLAESVLDD DEDVVAVMLP
 DDLVLPFGVT ERMAEVRAKF GGSVLAAIEV AEDEVSNYGV FKLGE L DAESE EGIRRVVG
 MVEKPAPEDA PSRFAATGRY LLDRAIFDAL RRIEPGAGGE LQLTDAIAL IEEGHPVHIV
 VHEGKRHD LG NPAGYIPAVV YFGLRHA EYG SKIHRVAK EI LAEFES

> RXA01262 (1-1161, translated) 387 residues
 MKIAVAGLGY VGLSNAALLS KNHKVVAVDI DEERVKL VQE FRSPIVDS DL EEYLSTKPQN
 LTATTDAAEA YKGA DFIVIA TPTNYDPESN FFD TSSVESV IEIVLKVSPG STIVIKSTIP
 VGFTSELRIK HPEASII FSP EFLREGRAFY DNL YPSRVV GDRSPLGEEF ATLLAEGAKE
 KPPILLTDST EAEAIKLFSN TYLALRVAFF NELDTYASVR SLDTKQIIEG VGLDPRIGSH
 YNNPSFGYGV YCLPKDTKQL LANYKDVPQN LISAVVQANK TRKDFIAEDI LSKSPTVVG I
 YRLVMKSGSD NFRSSSIQGV MKRIKAKGIE IVVFEPNLGE ETFYNSKILN DIEEFKDYCD
 I IIANRPTDE LSDVPEKVYT RDIFQRD

> RXA01311 (1-747, translated) 249 residues
 MKLTLEIWRQ AGPTAEGKFE TVQVDDAVAQ MSILELLDHV NNFIEEGKE PFAFASDCRE
 GICGTCGLLV NGRPHGADQN KPACAQLRVS YKEGDTLKIE PLRSAAYPVI KDMVVDRSAL
 DRVMEQGGYV TINAGTAPDA DTLHVN HETA ELALDHAACI GCGACVAACP NGAHLFTGA
 KLVHLSLLPL GKEERGLRAR K MVDEMETNF GHCSLYGECA DVC PAPIPLT AVAAVTKERA
 RAAFRGKDD

> RXA01312 (1-1077, translated) 359 residues
 ESLRNDGRIW SPKEPNDNRD PNTIPEDERD YFLERRYPAF GNLVPRDVA RAISQQINAG
 LGVGPLNNA YLDFRDATER LGQDTIRERY SNLFTMYEEA IGEDPYSSPM RIAPTCHFTM
 GGLWTD FNEM TSLPGLFCAG EASWYTHGAN RLGANSLLSA SVDGWFTLPF TIPNYLGPLL

GSERLSEDAP EAQAAIARAQ ARIDRLMGNR PEWVGDNVHG PEYYHRQLGD ILYFSCGVSR
 NVEDLQDGIN KIRALRDDFW KNMRITGSTD EMNQVLEYAA RVADYIDLGE LMCVDALDRD
 ESCGAHFRDD HLSEEDGEAQR DDQNWCFVSA WEPGENGTfV CHAEPLFFES VPLQTRNYK

> RXA01325 (1-672, translated) 224 residues
 MDMTISRSTM AQILDYTLLG PEVTNSELA FIDSAIELGV GTICVPNSMV NLTAKAQEAG
 IRVATVAGFP HGKTPALVKA AEARLAVQSG ASEVDVVLDI AVVKEGDANR LLQEIVAIRE
 AVPSPVVLKF ILETAVVSDE AIVTAVNALI AAGADFAKTS TGFHPAGGAT VEAVRVMASA
 SRGRVGIKAA GGVKTWEDAV AFVEAGATRI GTSNAGAILE GAPE

> RXA01332 (1-549, translated) 183 residues
 AARAAAAAED APGAQAFTRI EDAIAADA VD AVLIAVPGQF HEPVLVPALE AGLPILCEKP
 LTPDSESLR IVELEQKLDK PHIQVGFMRR FDPEYNNLRK LVESGEAGEL LMLRGLHRNP
 SVGESYTQSM LITDSVVHEF DVIPWLAGSR VVSVEVKYPK TSSLAHSGLK EPILVIMELE
 NGV

> RXA01350 (1-984, translated) 328 residues
 MNSPQNVEST KVTVTGAAGQ ISYSLWRIA NGEVFGTDTP VELKLLEIPO ALGGAEGVAM
 ELLDSAFPLL RNITITADAN EAFDGANAAF LVGAKPRGKG EERADLLANN GKIFGPQGKA
 INDNAADDIR VLVVGNPANT NALIASAAAP DVPASRFNAM MRLDHNRAIS QLATKLGRGS
 AEFNNIVVWG NHSATQFPDI TYATVGGEKV TDLVDHDWYV EEFIPRVANR GAETIEVRGK
 SSAASAASSA IDHMRDWVQG TEAWSSAAIP STGAYGIPEG IFVGLPTVSR NGEWEIVEGL
 EISDFQRARI DANAQELQAE REAVRDL

> RXA01365 (1-894, translated) 298 residues
 MRTRESVTAV IKAYDVRGVV GVDIDADFIS ETGAAGFRML RSEGETTVAI GHDMRDSSPE
 LAKAFADGVT AQGLDVVHLG LTSTDELYFA SGTLCACAGAM FTASHNPAEY NGIKLCRAGA
 RPVGQDSGLA NIIDDLVEGV PAFDGESGSV SEQDLLSAYA EYLNELVDLK NIRPMKVAVD
 AANGMGGFTV PEVFKGLPLD VAPLYFELD G NFPNHEANPL EPANLVLDLQK FTVETGSDIG
 LAFDGDADRC FVVDEKQGPV SPSAICAIVA ERYLEKLPGS TIIHNLITSK AVPEVIAE

> RXA01369 (1-501, translated) 167 residues
 NEQCLGDVG V LGALLNFYK LAPGEALYLD AANLHAYISG LGVEIMANS NDLRGGLTSK
 YVDVPELV RV LDFNSLENAR VDVEEDGATT HYPVPINEFQ LDRVAVQGEA EANH DGPMIV
 LCTSGTVSLE AGEKTLEVAA GHAAWVPAND PTIAMRSEDA EVFLARV

> RXA01373 (1-708, translated) 236 residues
 MELLEGSLRT YPWGSRTLIA DLKGEESPSS RPEAEVWFGA HPGSPSTIGG NALNEVIAAN
 PEEALGTRVA EAFENELPFL LKILAGAPL SLQAHPSLEQ AREGFARENS AGIDLGA PN R
 NYRDPNHKPE LIVALTEFIA MAGFRPLRNT LTIFDALACE PLDRYRSM L T VDNEEESLRA
 LFTTWITIP I GKRHELIDAL ISNAHTYLEA SDRDEDIAFV LSHIIELENEQ YPGDVG

> RXA01377 (1-1086, translated) 362 residues
 MTLTDNSKNV DAVILVGGKG TRLRPLTVNT PKPMLPTAGH PFLTHLLARI KAAGITHVVL
 GTSFKA EVFE EYFGDGSEMG LEIEYVVEDQ PLGTGGGIRN VYDKLRHDTA IVFNGDVL SG
 ADLNSILDTH REKDADLTMH LVRVANPRAF GCVPTDEDGR VSEFLEKTED PPTDQINAGC
 YVFKKELIEQ IPAGRAVSVE RETFPQLLEE GKR VFGHVDA SYWRDMGTPS DFVRGSADLV
 RGIAYSPLLE GKTGESLVDA SAGVRDGVLL LGGTVVGRGT EIGAGCRVDN TVIFDGV TIE
 PGAVIENSII SSGARIGANA HISGCIIGEG AQVGARCELN AGMRVFPGVV IPDSGIRFSS
 DQ

> RXA01392 (1-1077, translated) 359 residues
 VANTSSDWAG APQNASADGE FVRDTNYIDD RIVADV PAPS EPFAQEDGTF HWPVEAGRYR
 LVAARAC PWA HRTVITRRL L GLENVISLGL TGPTH DVRSW TFDLDPNHLD PVLQIPRLQD
 AYFNRFDPY R GITVPALVE ESSKKVVTND YPSITIDFNL EWKQFHREGA PNLYPAELRE
 EMAPVMKRIF TEVNNGVYRT GFAGSQEAHN EAYKRLWVAL DWLEDRLSTR RYLMGDHITE
 ADIRLYPTLV RFDVYHGHF KCGRNKITEM PNLWGYLRDL FQTPGFGDTT DFTEIKQHYY
 ITHAEINPTR IVPVGPDL SG FATPHGREKL GGSPFAEGVT LPGPIPAGEE VKNPEPFQK

> RXA01436 (1-1191, translated) 397 residues

MALALVLNSG SSSIKFQLVN PENSAIDEPY VSGLVEQIGE PNGRIVLKIE GEKYTLETPI
 ADHSEGLNLA FDLMDQHNCG PSQLEITAVG HRVHVGGILF SAPELITDEI VEMIRDLIPL
 APLHNPANVD GIDVARKILP DVPHVAVFDT GFFHSLPPAA ALYAINKDVA AEHGIRRYGF
 HGTSHEFVSK RVVEILEKPT EDINTITFHL GNGASMAAVQ GGRAVDTSMTG MTPLAGLVMG
 TRSGDIDPGI VFHLSRTAGM SIDEIDNLLN KKSGVKGLSG VNDFRELREM IDNNDQDAWS
 AYNIIYHQLR RYLGSYMVAL GRVDTIVFTA GVGENAQFVR EDALAGLEMY GIEIDPERNA
 LPNDGPRLIS TDASKVKVFF IPTNEELAIA RYAVKFA

> RXA01468 (1-825, translated) 275 residues
 MTVNISYLTG MDGVLKEGE IIPGADRFLQ SLTDNNVEFM VLTNNSIFTP RDLSARLKTS
 GLDIPPERIW TSATATAHFL KSQVKEGTAY VVGESGLTTA LHTAGWILTD ANPEFVVLGE
 TRTYSFEAIT TAINLILGGA RFICTNPDTV GPSPSGILPA TGSVAALITA ATGAEPYYIG
 KPNPVMMSA LNTIGAHSEH TVMIGDRMDT DVKSGLEAGL STVLVRSGIS DDAEIRRYPF
 RPTHVINSIA DLADCWDDPF GDGAHVHPDE QQFTD

> RXA01478 (1-1836, translated) 612 residues
 MTIPGASTQT DIPLDTLLED YALLSDTHTG ALLSNMGSLD WLCLPRFDSQ AMFTRLLGDR
 EHGHWSLRVP GGEVISQNYL GDSFVVQTVW RSETGTARVV DFMPHNGQEQ PDITDLVRSV
 HCVEGEVDVE SILRLRFDYG ESTPYFRTST VDGISIVQAV AGPNAVYVRG PEMPHRPAKD
 CHSGTFHLTA GESVEWVLTW APSFEPHPPM PDYTRSLEST LSFWASWVEE LPHQRLYDAE
 VRRSMLVLR LRLDQTGGIV AAPTSTLSPED FGGIRNWDYR YVWLRDSALT IEALVEYGF
 QAALQWRTWL LRAIAGDPEN LRIMYGLGGE RHLPERELQH LRGYENSVPV RVGNAGAEQY
 QADVVEVMV ALETIRRAGC LEDEFWSGMQ KAILDFQEAN FDRKDQGIWE MRSEPQYFTH
 GRAMMWAGFD RGIKAIEEFN LDGPPIERWRE LRAKLREEIM TNGFNEEIQS FTQCYDNTQV
 DASLLQLAQI GFIGFDDPKM LSTVARIEQE LLDAGHFLHR YHTDGSGLA GDEYFPLICS
 FWLVEQYASS NRLDEAKEKM NRILAVQSPL GLLAEEYSTH HGRLAGNYPQ AFSHIGLISA
 ARAINFEEAR NR

> RXA01482 (1-1875, translated) 625 residues
 MRMCGIVGYI GQAGDSRDYF ALDVVVEGLR RLEYRGYDSA GIAIHANGEI SYRKKAGKVA
 ALDAEIAKAP LPDSILGIGH TRWATHGGPT DVNAHPHVVS NGKLAVVHNG IIEFNAELRS
 ELSAKGYNFV SDDTEVAAS LLAEIYNTQA NGDLTLAMQL TGQRLEGAFI LLAIHADHDD
 RIVAARRNSP LVIGVGEGEN FLGSDVSGFI DYTRKAVELA NDQVVTITAD DYAITNFDGS
 EAVGKPFDFE WDAAAAEKGG FGSFMEKEIH DQPAAVRDTL MGRLEDEGKL VLDELRIEAD
 ILRSVDKIVI VACGTAAAYAG QVARYAIEHW CRIPTEVELA HEFRYRDPIL NEKTLVVALS
 QSGETMDTLM AVRHAREQGA KVVAICTVG STLPREADAS LYTYAGPEIA VASTKAFLAQ
 ITASYLLGLY LAQLRGNKFA DEVSSILDSL REMPEKIQOV IDAEEQIKKL GQDMADAKSV
 LFLGRHVGFP VALEGALKLK EIAYLHAEGF AAGELKHGPI ALVEEGQPIF VIVPSPRGRD
 SLHSKVVSNI QEIRARGAVT IVIAEEGDEA VNDYANFIIR IPQAPTLMQP LLSTVPLQIF
 ACAVATAKGY NVDQPRNLAK SVTVE

> RXA01534 (1-489, translated) 163 residues
 MTSAITTATD LRSVLRNVPT PISFIATHTD QPLGMIVGSF VSISAEPLV GIFLQKSSSS
 WPAIEQALVT GQELGISILG GAHADHVRKL SGPSDQRFEN LGWASTENGA IHLEGADAQL
 TTKLHDLQEI GDHFFAVLEV IDASADQDFS SALVYHRSQV SSL

> RXA01535 (1-1407, translated) 469 residues
 MTEQEFRIEH DTMGEVKVPA KALWQAQTQR AVENFPISGR GLESAQIRAM GLLKAACAQV
 NKDSGALDAE KADAIIAAGK EIASGKHDAE FPIDVFQTS GTSSNMNTNE VIASIAKANG
 VEVHPNDHVN MGQSSNDTFP TATHVAATEA AVNDLIPGLK VLHESLAKKA NEWSEVVKSG
 RTHLMDAVPV TLGQEFGGYA RQIQLGIERV EATLPRLGEL AIGGTAAGTG INTSADFGGK
 VVAELINLTD VKELKEAENH FEAQAARDAL VEFSGAMRVI AVSLYKIAND IRLMGSGPLT
 GLGEIRLPDL QPGSSIMPVK VNPVLCETAT QVSAQVIGND AAVAFSGTQG QFELNVFIPV
 MARNVLESAR LLANTSRVFA TRLDVGIEPN EAHMKELAES SPSIVTPLNS AIGYEAANKV
 AKTALAEGKT IRQTVIDLGL VDGEKLTEEE LDKRLDVLAM AHTERENKF

> RXA01550 (1-1344, translated) 448 residues
 IFQQLFWRVW EIITEIDRRF RLERAADGLD EETIDRMAPI QRGTVHMAWI ACYAAYSING
 VAALHTEIIK AETLADWYAL WPEKFNNKTN GVTPRRWLRM INPGLSLLT RLSGSDDWVT
 DLDELKKLRS YADDKSVLEE LRAIKAANKQ DFAEWILERQ GIEIDPESIF DVQIKRLHEY

KRQLMNALYV LDLYFRIKED GLTDIPARTV IFGAKAAPGY VRAKAIKLI NSIADLVNND
 PEVSPLLKVV FVENYNVSPA EHILPASDVS EQISTAGKEA SGTSNMKFMM NGALTTLGTMD
 GANVEIVDSV GEENAYIFGA RVEELPALRE SYEPYELYET VPGLKRALDA LDNGTLNDNN
 SGLFYDLKHS LIHGYGKDas DTYYVLGDFA DYRETRDRMA ADYASDPLGW ARMAWINICE
 SGRFSSDRTI RDYATEIWKL EPTPAVKK

> RXA01562 (1-1038, translated) 346 residues
 EQDLDELMHS TGVIDPLTGA PKSASKPGWT SVFSDELVKI GAQENENVVAI TAAMAGPTGL
 SKFEANFPNR FFDVGIAEQH AVTSAAGLAL GGHKHPVVAIY STFLNRAFDQ LLMDVGMNLN
 PVTLLVDRSG VTGSDGASHN GVWDMALTSI VPGVQVAAPR DEDSLRELLN EAISIDDGPT
 VVRFPKGLDLP TPIVAIDTLE DGVDVLAYED ATDVESTDDA PSVLIIAVGE RATVALDVAS
 RIKQHGVNVT VVDPRIWVPI PQSLVALSDD HDLVITIEDG VIHGGVGSLL SDALNASEVD
 TPRRQIAVPQ KYLDHASRNE VLADYGLDAD GIETTVVGWL DSLFGE

> RXA01569 (1-426, translated) 142 residues
 APRHYIVRTS WVGIDGNNFV RTMKSLDERG IAPSVVDDQI GRLSFTEDIA AGIAHLLEVG
 AAYGTYNLTN TGEPASWADV ARAVFS DPTK VTGVSTA EYF ANKDAAPRPL NSVLDLGKIE
 ATGFSAPTQW TRLNDYLKEL SK

> RXA01570 (1-855, translated) 285 residues
 VKGIILAGGS GTRLYPITKG ISKQLMPIYD KPMVYYPLTT LIQAGIKDIL IITTPEDSAS
 FERLLGDGSS WGINLTYAVQ PSPDGLAQAF IIGEEFIGDD DVALVLGDNI FDGAQLGHAL
 KQCSNP DGGI VFAYEVSDPE RYGVVEFDA NKAVSIEEKP TAPKSNFAV GLYFYDNRV
 DIAKSIKPSS RGELEITSVN DAYLQQGALT VQRLDRGDVW LDTGTIDSMS EASSYVEVLQ
 KRTGNIIGSP EVAAYREGFI TAEELTVLGE ELKKSGYGNY LLRAL

> RXA01571 (1-600, translated) 200 residues
 VSISVKALQK SGPEAPFEVK IIERRDPRAD DVVIDIKAAG ICHSDIHTIR NEWGEAHFPL
 TVGHEIAGVV SAVGSDVTKW KVGDRVGVC LVNSCGECEQ CVAGFENNCL RGNVGTYN
 DV DGTITQGG YAEKV VNER FLC SIPEELN FDVAAPLLCA GITTYSFIAR WNVKEGDKVA
 VMGLGGTRTH GCPDRCSQGC

> RXA01572 (1-492, translated) 164 residues
 MGVDQIAAAKG AEVTVLSRSL RKAELAKELG AARTLATSDE DFFTEHAGEF DFILNTISAS
 IPVDKYL SLL KPHGVMAVVG LPPEKQPLSF GALIGGGKVL TGSNIGGIPE TQEMLDCAK
 HGLGAMIETV GVNDVDAAYD RVVAGDVQFR VVIDTASFAE VEAV

> RXA01615 (1-939, translated) 313 residues
 MSDSPKNAPR ITDEADVLI GAGIMSSTLG AMLRQLEPSW TQIVFERLDG PAQESSSPWN
 NAGTGHSALC ELNYTPEVKG KVEIAKAVGI NEKFQVSRQF WSHLVEEGVL SDPKEFINPV
 PHVSFGQ GAD QVAYIKARYE ALKDHPLFQG MTYADDEATF TEKLPLMAKG RDFS DPVAIS
 WIDEGTDINY GAQTKQYLD AAEVEGTEIRY GHEVKS IKAD GAKWIVTVKN VHTGDTKTIK
 ANFV FVGAGG YALDLLRSAG IPQVKG FAGF PVSGLWLRCT NEELIEQHAA KVYGKASVGA
 PPMSPHLDT RVI

> RXA01626 (1-345, translated) 115 residues
 MSKTIIVRTE IEIPGHPTAI HIAEMQELPP SEAQGGVQMC KMQRRIELAG TAEGDVVTGA
 GVIGGSNFQL NNEPNEVVP H PDTYADFPDI KAVVISAETF EGLWLEAGAK FPGLN

> RXA01632 (1-1005, translated) 335 residues
 MTLRIALFGA GRIGHVHAAN IANPDLELV VIADPFIEGA QRLAEANGAE AVASPDEVFA
 RDDIDGIVIG SPTSTHVDLI TRAVERGIPA LCEKPIDLDI EMVRACKEKI GDGASKVMLG
 FNRRFDPSFA AINARVANQE IGNLEQLVII SRDPAPAPKD YIAGSGGIFR DMTIHDLDMA
 RFFVPNIVEV TATGANVFSQ EIAEFNDYDQ VIVTLRGSKG ELINIVNSRH CSYGYDQRL
 AFGSKGMLAA DNIRPTTVRK HNAESTE QAD PIFNFFLERY DAAYKAELAT FAQGIRDGQG
 FSPNFEDGVI ALELANACLE SAQTGRVTTL NPANV

> RXA01633 (1-1083, translated) 361 residues
 MKNITIGMVG VGRIGRMHVA NMLAVAETLK ERDLNIEIVL ADAMPGFAEQ VGADMGVKAA

ASVDKLIEDG VDALFIATST AGHVDVLRKG IAAKLPMFCE KPIASDVPES LNIIREIDAA
 GATVQVGHQR RFDLGYQEAQ RRLDAGDLGW LHSLKAVSSD AFPPPVSYCA TSGGLFRDVS
 LHDFDIIRWL TGQDIVEVYA KGSNNGDPEI GAVGDIDTGA ALLTLADGTL ATAIATRYNG
 AGHDVRLDVM GSKDSTIVGL DEKSAFASAE EGIDFPTGES HPTFAERFAD AYKNECIAFV
 ELILGERENP CTPADAVAAA IVADAAQLSL VTGEPVKIPT VREILEGSAQ PVEVRALVPS
 A

> RXA01695 (1-210, translated) 70 residues
 AGLLGASPGA SIAPSAMIEL LERCFGDRMI EWGDKLKDMI PSYGKKLASE PALFEQQWAR
 TQKTLKLEEA

> RXA01702 (1-1032, translated) 344 residues
 MPIATPEVYN EMLDRAKEGG FAFFAINCTS SETINAALKG FAEAESDGII QFSTGGAEFG
 SGLAVKNKVK GAVALAAFAH EAAKSYGINV ALHTDHCQKE VLDEYVRPLL AISQERVDRG
 ELPLFQSHMW DGSAPVIDEN LEIAQELLAK AKAANIILEV EIGVVGGEED GVEAKAGANL
 YTSPEDFEKT IDAIGTGEKG RYLLAATFGN VHGVYKPGNV KLRPEVLLEG QQVARKKLGL
 ADDALPFDV FHGGSGSEKE KIEEALTYGV IKMNVDTDTQ YAFTRPIVSH MFENYNGVLK
 IDGEVGNKKA YDPRSYMKKA EQSMSERIE SCQDLKSVGK TTSK

> RXA01705 (1-603, translated) 201 residues
 MGILNSISTP ADLKALNDED LDALAKEIRT FLVDKVAATG GHLGPNLGVV ELTIGLHRVF
 DSPQDPIIFD TSHQSYVHKI LTGRAKDFDS LRQKDGLSGY TCRAESEHDW TESSHASAAL
 SYADGLSKAK QLDGDTTHSV VAVVGDGALT GGMCEALNN IAAGKDRKV VVVDNNGRSY
 SPTIGGFAEN LAGLRMQPFY D

> RXA01743 (1-801, translated) 267 residues
 MDLNTFWFIL IAFLFAGYFL LEGFDGFGVI LAPIIKGDSA ARNTVIRTIG PVWDGNEVWL
 IVAGGALFAA FPEWYATMFS GMYLPLFLVL VSLIMRVVGL EWRKKVDDPR WQKWSdraif
 IGSWTPPLMW GFIFANILRG MPLKADHTID AAAALPGMVN VFAILGALAF TALFALHGLA
 FIRLKTAGRV RTDAAKAAPV VALLAAVTGG PFVLWAAIAY GRSWSWILAV LIIAAVLGGA
 FALIKDRDGL SFLSTSVAVI GVVALLF

> RXA01744 (1-1302, translated) 434 residues
 WSEYSRFVGD VFGGPLALEG LIAFFLESVF LGLWIFGWGK IPGWLHTASI WIVAIATNIS
 AYFIIIVANSF MQHPVGAEYN PETGRAELTD FWALLTNSTA LAAFPHAVAG GFLTAGTFVL
 GISGWWIIRA HRQAKKAESE IESKHSMPHRP ALWVGWWTTV VSSVALFITG DIQAKLMFVQ
 QPMKMASAES LCETATDPNF SILTIGTHNN CDTVTHLIDV PFVLPFLAEG KFTGVTLQGV
 NQLQAAAEQA YGPGNYSPNL FVTYWSFRAM IGLMLGSLAI AAIWLLLRK KRTPTGKIAR
 LFQIGSLIAI PFPFLANSAG WIFTEMGRQP WVVHPNPESA GDARTEMIRM TVDMGVSDHA
 PWQVWLTLIG FTILYLILFV VVWVLIIRAV LIGPPEEGAP SVEAKTGPAT PIGSDMPMT
 LQFTAAAPT GEKE

> RXA01745 (1-1494, translated) 498 residues
 ILADEDDETVD VGAVIARIGD ANAAAAPAEE EAAPAEEEEP VKEEPKKEAA PEAPAAATGAA
 TDVEMPELGE SVTEGTITQW LKAVGDTVEV DEPLLEVSTD KVDTEIPSPV AGTIVEILAD
 EDDTVDVGAV IARIGDANAA AAPAEAAAAP AEEEEPVKEE PKKEEPKKEE PKKEAATTPA
 AASATVSASG DNVPYVTPLV RKLAEKHGVD LNTVTGTGIG GRIRKQDVLA AANGEAAPAE
 AAPVSAWST KSVDPEKAKL RGTTQKVNRI REITAMKTVE ALQISAQLTQ LHEVDMTRVA
 ELRKKNKPAF IEKHGVNLTY LPFFVKAVVE ALVSHPNVNA SFNAKT KEMT YHSSVNLSIA
 VDTFAGLLTP VIHDAQDLSI PEIAKAIVDL ADRSRNNKLK PNDLSGGTFT ITNIGSEGAL
 SDTPILVPPQ AGILGTGAIV KRPVVITEDG IDSIAIRQMV FLPLTYDHQV VDGADAGRFL
 TTIKDRLETA NFEGLQL

> RXA01758 (1-1017, translated) 339 residues
 MPKYIAMQVS ESGAPLAANL VQPAPLKSRE VRVEIAASGV CHADIGTAAA SGKHTVFPVT
 PGHEIAGTIA EIGENVSRWT VGDRVAIGWF GGNCGDCAFC RAGDPVHCRE RKIPGVSYAG
 GWAQNIVVPA EALAAIPDGM DFYEPAPMGC AGVTTFNALR NLKLDPGAAG AVFGIGGLVR
 LAIQFAAKMG YRTITIARGL EREELARQLG ANHYIDSNDL HPGQALFELG GADLILSTAS
 TTEPLSELST GLSIGGQLTI IGVDGGDITV SAAQLMMNRQ IITGHLTGSA NDTEQTMKFA
 HLHGKPLIE RMPLDQANEA IARISAGKPR FRIVLEPNS

> RXA01814 (1-1662, translated) 554 residues
 MAHERAGQLA QPEDLIDVAE LVTAYFTRKP DVNNPDQQVA FGTSGHRGFA LDSAFNEDHI
 LATTQAIVDY RNQOPKNWVG PLFIGRDTHA LSEPAMISAL EVLIANDVEV LVDADGRYTP
 TPAVSHAILR HNDGIILGTA GPSRPYADGI VITPSHNPPR DGGFKYNPAN GGPADTDATD
 WIANRANDIL RGDLDADVCRV PVSGVLDERT TAYDFKGIYI ADLPNVVNID AIREAGVRIG
 ADPMGGASVD YWGAIAETHG LNLTVVNPHV DSTFRFMTLD TDGKIRMDCS SPHAMASLID
 NRDKFDVATG NDADADRHGI VTPDAGLMNP NHYLAVAI EY LFAHRPGWSA DTAVGKTLVS
 SSMIDRVVAQ LGRTLVEVPV GFKWFPGLI SGEIGFGGEE SAGASFLRMD GTTWSTDKDG
 LILDLLAAEI IAVTGKTPSQ RYAELEAEFG APAYARTDAE ANREQKAILK ALSPEQVTAT
 ELAGEAITAK LTEAPGNAA IGGLKVTTEN AWFARPSGT EDKYKIYAES FKGEHQAQV
 QKEAQALVSE VLQG

> RXA01839 (1-684, translated) 216 residues
 MRMNAPVPLG GTSNHLTG V LKDLGAWDPF NVTEDADLGV RIAAKGYSTA VLDSVTWEEA
 NSDTINWLRL RSRWYKGYLQ TWLVYMRPK WLVLQELGIIP AVRFTFLMAG TPIIAVLNLL
 FWYLSLTWIL GQPGTIEQMF PPAVYYPALV CLVVANAATI FMNLIGCREG RDPLLLIAVL
 TFPLYWLLMS IAALKGTWQL ITRPSYWEKT AHGLEA

> RXA01851 (1-1686, translated) 562 residues
 MTSAHFESRR IGPPLRDNYD VIVIGGGISG VQIARHAQGR GLRTVMFEAR DYSSGTSSTT
 SKMIHGGLRY LEQYDFGVVQ EAVKERRYLG IAAPHLVAPR SFMLTAFDWS EPKAPMLGAG
 VALYETMAWQ RNQGSKENH SPRFRWIPKN ALLKEVPWLD PEGKLGAWRH DDTLNLHAER
 LLLAVIKAF AADGGTAINHA KVTRILRNV EGRVKGVEVT DQVTNTTHEV NAPVVINAAG
 PWVAQALGDL AEVTKLKVRQ SKGVHLLTGD LGSQSGVFVR GKNGKHVIVN PWMGRTLIGP
 TDTMIDGDAD DAAADESDID LLETIDSVR ATPLDRKEII STLVGVRPLV DDGTDYTTSS
 RRFDISDHAN VGIDGLVSVS GGKWTTSRVM GYKVIEHVVE HQAAVLPLR HFDSRQMPLS
 TSFGAYESVA DSFESALRSH PELDVEDDIR VHLARLYGTE HEKVLDLVAK QPDLGRRLLD
 DNLDIAAQAV FAVAEAAVD LADVLDRIIV LGTLGYVQPA AVRATAEAMA QVTGWSAELI
 DAQCQSYLAK QDKIQAVLKP YR

> RXA01859 (1-927, translated) 309 residues
 MKKKSFPPIAR VIGIGVLGIA GMGILLWL A VTLSDPASPG AKETEVFDRW KVLFDYIIPP
 VRVLVAIIIV ALIFVFIAAT VERTVTNRYR SSV DGERVPL APKIVMAETR GVFHGPITIN
 VLVPAHNEAE RITGTIQALK SQHEPPERIV VVADNCTDET TELARAEVGE VLETVNNKFK
 KAGGLNQALS RMLPTLGEND IVMIVDADTA LDQGFLEKEAR RRFESDRALM AVGGFLYGES
 GSGWLQYQYR NEYTRYSDI YRRRGRVFVL TGTASAFRPR GLRTVAESRG TLIPGRKADV
 YDTAGVDRR

> RXA01865 (1-315, translated) 105 residues
 MTYTIAQPCV DVLDRACVEE CPVDCIYEGK RMLYIHPDEC VDCGACEPAC PVEAIFYEDD
 VPDEWLDYND ANAAFFDDL G SPGGAAKLGP QDFDHPMIAA LPPQA

> RXA01882 (1-990, translated) 330 residues
 MIITFTPNPS IDSTLSLGE LSRGSVQRLD SVTAVAGGKG INVAHAVLLA GFETLAVFPA
 GKLDPFVPLV RDIGLPVETV VINKNVRTNT TVTEPDGTTT KLNGPGAPLS EQKLSLEKV
 LIDALRPEVT WVLAGSLPP GAPVDWYARL TALIHSARPD VRVAVDTSK PLMALGESLD
 TPGAAPNLIK PNGLELGQLA NTDGEELEAR AAQGDYDAII AAADVLVNRG IEQVLVTLGA
 AGAVLVNAEG AWTATSPKID VVSTVGAGDC ALAGFVMARS QKKTLEESLL NAVSYGSTAA
 SLPGTTIPRP DQLATAGATV TQVKGLKESA

> RXA01884 (1-1473, translated) 491 residues
 MHVDGFRFDL ASTLAREFDD VDRLATFFDL VQQDPVVSQV KLIAEPWDVG EGGYQVGNFP
 PLWTEWNGKY RDTVRDFWRG EPATLGEFAS RLTGSSDLYA NNGRRPTASI NFVTAHDGFT
 LNDLVSYNEK HNMANGEDGR DGEHNRSWN CGVEGPTDDP EIMQLRAQOR RNFLTLLLS
 QGTPMLSHGD EMARTQNGN NVYCQDNELA WVNWDQAEEN ADLVSFTRRL LRIRANHPVF
 RRRQFLAGGP LGADVDRDI AWLVPNGTLM TQDDWDFAFG KSLQVFFNGD AIEEPDYRGQ
 KIHDDSFILM FNAHFEPIDF NLPPEHFGMK WKLLVDTEA VGHPLDLTI EAGGTITVPA
 RSTMLLRQVE APDYTKLEEK IAAEKREQL AAEKEAAEK EELAAAKEA EDAAEALHLA
 AERASTQEAE LAHQHGADAI ADEVAEEPQE LPQDEVAAEV ETEPDTEPDT ESDSEAEVA

SEEPEADEEEE K

> RXA01886 (1-774, translated) 258 residues

MTFKLAACAE MIYQDLPFEE RVKTISDQGF LVEIWDWSTK DIDALVATGA EFSSMTGYLR
GDLITEQGRA ELLATASESL AVAEKLNCPRLNLHGTGLGP QGLPVTPIEV VTPEMWLYAA
ETLRQIAELG ERAGKVFVLE NLNLAVDHPG TPFKATDTL ALVKAVNHPN LRLNLDLYHA
QIGEGNLIEL LREAQPFIGE IQVADVPGRM EPGTGEINYQ GVAKALAAMG YDGVIGMEAW
ASGDSSDALQ ALKSAFTV

> RXA01887 (1-1011, translated) 337 residues

MSVKLALIGA GRIGSNHARL ITNHVIGSEL VAVVDPTPNA ETLADELGAV AFSNPDDVLT
RDDIDAVLIA TPARTHADLV VKAAAAGKHV FVEKPMATL EDADRINA REANTVLQVG
FNRRFAAGFA AARARIDAGD IGTPQLLRV TRDPGPFTAD PNKIPQWTIF LETLIHDFDA
LCYLNPGATP VEVTAHADCL VVPEAAGTGF LDTAVVTVRF DNGAIGTAEA SFSAAAGYDV
RGEVFGSKGM MTAGDARATN MTFYGAEGIA AATSRADTDL LSDAYRAEFQ AFVDSIRTNT
PSKVPGEAAR TALLIALGAI RSVETGATIN LAESIEV

> RXA01888 (1-558, translated) 186 residues

MADVAKAAGV STALVSIVFR DAPGASESTR NHVKEKAAEL GYIPDRRAQK LRQNRSGSLIG
VAFEMHQAFH GDIVEHLYPT ARKHGFDLYL SAIPTPTRTEK DAVNALIRER CEAVILLGSR
MSPSDLETIA QQLPVQVIAR GSGTPKVSSV HVDDAVGAQL ALNHHLIELGH EHIIYIDGGD
APGTQE

> RXA01891 (1-819, translated) 273 residues

YYNKDLWAKA GLEDRGPESW EEFSEWGPKL QEAMDSGFAH GWGDATNYLS WTFEGPMWSL
GGNYSEGWES RLTPPETIRA VEWLKSTVDE GFATVSTDVT NEFATGLIGS CIQSTGDLSS
VAGAASFDWG VAALPNPTGE GACPTGGAGL GIPSGISEQR QDNALKFIDF LTNAANTGYW
SRETGYVPVR KDAASDPDHA AFLEENPAYN VAVEQLPDTR SQDNFRVLLP NGDRTIGDAL
EKICLTGADI DVTLAEVETK LNTIYTRDIE PLI

> RXA01895 (1-816, translated) 272 residues

HHLFQPELLYQ VATGILSSGE IAPSTRQILG SQENVNVIK EVTDINVESQ TVTASLGFEET
RVFEYDSLIV GAGAGQSYFG NDHFAEFAPG MKSIDDALEI RARIIGAFER AEICEDPAER
ERLLTFVVVG AGPTGVELAG QLAEMAHRTL AGEYKNFNTN SAKIILLDGA PQVLPPFGKR
LGRNAQRTLE KMGVNVRLNA MVTNVDATSV TYKTKDGEEH TIESFCKIWS AGVAASPLGK
LVAEQTGIVET DRAGRVMVND DLSVGDQKNV FV

> RXA01901 (1-1260, translated) 420 residues

MVKRQLPNPA ELLELMKFKK PELNGKKRRL DSALTIYDLR KIAKRRTPA AFDYTDGAEE
AELSITRARE AFENIEFHPD ILKPAEHVDT TTQILGGTSS MPFGIAPTGF TRLMQTEGEI
AGAGAAGAAG IPFTLSTLGT TSIEDVKATN PNGRNWFQLY VMRDREISYG LVERAAKAGE
DTLMFTVDTP IAGYRIRDSR NGFSIPPQLT PSTVLNAIPR PWWWIDFLT PTLEFASLSS
TGGTVGDLN SAMDPTISYE DLKVIREMWP GKLVVKGQVN VEDSVKLLDQ GVDGLILSNH
GGRQLDRAPV PFHLLPQVRK EVGSEPTIMI DTGIMNGADI VAAVAMGADF TLIGRAYLYG
LMAGGREGVD RTAILRSEI TRTMALLGVS SLEELEPRHV TQLAKMVPVS DATRSAAAEI

> RXA01915 (1-1008, translated) 336 residues

IDVVSVVVAN FLHREIVEAL LASGKHLVCE KPLSDTIEDA EAMIEAAGRA ATNGTIARIG
LTYRRSPGVA HIRDLVQSGLG LGKVLHVTGH YWTDYGSNAQ APISWRYKGP NGSGALADVG
SHLTYLAEFV AGSDFAAVRG GQLSTVITER PKPLGAIVGH EGGAVSDEYE AVENDDIAS
SGSFIGGGTA TLQVSRISSG HPNTLGFVEF CEKGSVLFDF RNSGEFKIFT PATSGDISQE
AGYRTITIGP KHPYWRGGLA MDAPGVGIGQ NEGFFVQARA FLEEIAGISE AESLPRCATL
EEGLHNMQLI DAVSQSAAAG GETVAVPAAA LIPANN

> RXA01919 (1-285, translated) 95 residues

MTTTHDKQLG IMYIIMSFSF FFLGGLMALL IRAELFTPGL QFLSNEQFNQ LFTMHGTVML
LLYGTPIVWG FANYVLPPLPT TXQAFSKTRV NSPRE

> RXA01927 (1-1116, translated) 372 residues

NDTRSAQAAL DLNEEIGGDQ AAVDATGSVY VASLTATKMR WMRDHEPENA ARTASVMLPH
 DFLTWHLMGR GRKVTDHGDA SGTGYSTRD RAWRTDLAAL ALGHEVELPE LLAPNAIAGT
 TPGGVKVAAG TGDNAALG LDLQPGDVS SIGTSGVAGM TVQHSVHDPS GLVTGFADAT
 GAYFPLACTL NGAPVLEFGR RILGVEWEEF DALALAAQPG SGGVTLPQYL EGERTPNRPA
 ARGVLAGLNC ATTREDFARA TVEGLLLALD DAVTALVEAT GVPVQRIQLI GGGARSQAVR
 EIAPEIFGHE IVVPEPAEYV ALGAARQAAW ALSGEATPPQ WPTPGSDPHR APKNTLSTR
 YAKLRAATQG WY

> RXA01952 (1-216, translated) 72 residues
 PGLCRQAGRG SQGADDRIQH LLEEKGKKLP AEHNYGRMYK LPESMEEHFK ELDPTNTFNA
 GIGGTSPHKD WA

> RXA01955 (1-1599, translated) 533 residues
 MTQPGQTTTT SHEAIDAFKR IVGDEHVLTS ERATMPFSKG YRFGGGPVFA VVRPGTLVEM
 WRALQVSVDN NLIVIPQASN TGLTGGSGPG FQDYDRPIVI ISTRIDEVH LINDAREAIS
 LAGTPLTHLT DALAKHQREP HSVIGSTSIG ASVIGGIANN SGGSQIRKGP AFTREAI FAR
 VNDDGKVELV NHLGISLGDD PEVALDRLQR GEWSPEDVTP APEDSNET EY AEHLRKIVPS
 PARYNANPEY LFEASGSAGK LMVFAVRTRT FPREVHPTVF YIGTNNTHEL EEIRRLFLEA
 DMPLPISGEY MGRSAFDLAE KYGKDTFVFL KFMSPALQTR MFSFKTWANG LFSKIPGIGP
 TFADTVSQAM FSVLPNQLPK RMMEYRNRFE HHLLLTVSES QKAASEKMLK EFFAEPEHTG
 EFFICTSDEE KSASLNRFGA ASAATRYAAL KRRHIAGLIP IDVALRRDDW NWLEVLPEEI
 DDQLEVKAYY GHFFCHVMHQ DYVAKQGVDL EALHDRIQHL LEERGAKLPA EHN

> RXA01989 (1-630, translated) 210 residues
 VKSIHKTIHE GTGAGSDFLG WVDLPVDYDK EEFSRIVEAS KRIKENS DVL VVIGIGGSYL
 GARAAIEMLT SSFRNSNEYP EIVFVGNHLS STYTKELVDY LADKDFSVNV ISKSGTTTEP
 AVAFRLFKQL VEERYGKEEA QKRIFATTDK EKGALKQLAT NEGYETFIVP DDVGGRYSVL
 TAVGLLP IAT AGINIEAMMI GAAKAREELS

> RXA02026 (1-720, translated) 240 residues
 PFHIQPETGL LNDPNGLIFY KGKYYVSHQW FPLGAVHGLK YWYNTSDDL INFKPEGPIL
 NPDTKYDSHG VYSGSAFEYN GHLYMYTGN HRDNHWQRHA SQMIARLKED GSVEKFPPKV
 ISQQPEGYTS HFRDPKVFKY GEKYIAIIGA QNNDQQGRLL LYNTEDIINW HYLGEINTEL
 DDFGYMWECP DYFNLDNQDV ILICPQGI EP KGNQFKNIYQ SGYILGKF DI EKLTYEHENF

> RXA02028 (1-426, translated) 142 residues
 MSLPIDEHVN AVKTVVVPAA GLGTRFLPAT KTVPKELLPV VDTPGIELIA AEAELGATR
 LAIITAPNKA GVLAHFERSS ELEETLMERG KTDQVEIIRR AADLIKAVPV TQDKPLGLGH
 AVGLAESVLD DDEDVVAVML PH

> RXA02054 (1-1017, translated) 339 residues
 MTSLLVTGGA GFIGANFVRQ TVEQHPEYTH ITVLDKLYA GNADNLKGLP DSKVTLIEGD
 ICDAELVDSL VKDHDITVHF AAESHNDNSL NDPSPFVHTN LIGTFVLLEA VRKHNRFRHH
 ISTDEVFGDL ELDDPNRFTE TTAYKPSSPY SATKAGSDHL VHAWIRSFGI QATMSNCSNN
 YGPYQHIEKF IPRQITNILA GLTPKLYGTG EQVRDWIHVD DHNDVAHLIL SKGKIGETIYI
 IGADNDHVVN KQVIELICEL MGLDKNAYEH VADRP GHDMR YAMDSTKLRT ELGWAPKYTD
 VDSGMRKGLE QTIDWYRENE AWWRPANNV EATYAKQGQ

> RXA02055 (1-921, translated) 307 residues
 MEYGKQLTSH TTDIEGLLVF DFPVHGDNRG WFKENWQRTK MTNLGLPDFG PVQNNMSFNA
 TAGTTRGMHA EPWDKEVSVA VGSVFGAWVD LRAGSSTYGN VVTQKITPDV GYVPRGVAN
 GFQALDGT L YTYLVNDHWS PDAHYANVNL NMIDWLPIT EISEKDKKHP ALIDATPLPA
 RKVLVVGAGG QLGTALRAQF PDAEFVTRQE LDITS DLTEA RAWKQYSTII NAAAYTAVDQ
 AEHDRAAWD INAAAVATSR PSRATTTSPS CTC PQIMSST VRANPTMKTH RFPHSACTAN
 PKQPATS

> RXA02056 (1-2868, translated) 956 residues
 RHSVPRLTKG QGTIIGV GSM DYPAEFQGAS EDRLAELGVG KLVITITSTYD HRVIQGAVSG
 EFLRTMSRLL TDDSFWEIF DAMNVPTPM RWAQDVPNTG VDKNTRVMQL IEAYRSRGHL
 IADTNPLSWV QPGMPVPDHR DLDIETHNLT IWDLDRTFNV GGFGGKETMT LREVL SRLRA

AYTLKVGSEY THILDRDERT WLQDRLEAGM PKPTQAEQKY ILQKLNAAEA FENFLQTKYV
GQKRFSLEGA EALIPLMDSA IDTAAGQGLD EVVIGMPHRG RLNVLFNIVG KPLASIFNEF
EGQMEQQQIG GSGDVKYHLG SEGQHLQMFG DGEIKVSLTA NPSHLEAVNP AMEGIVRAKQ
DYLDKGVDGK TVVPLLLHGD AAFAGLGIVP ETINLAKLRG YDVGGTIHIV VNNQIGFTTT
PDSSSRMHYA TDYAKAFGCP VFHVNGDDPE AVVWVGQLAT EYRRRFQKDV FIDLVCYRLR
GHNEADDPMS TQPKMYELIT GRETURAQYT EDLLGRGDLS NEDAEAVVRD FHDQMESVFN
EVKEGGKKQA EAQTGITGSQ KLPHGLETNI SREELLELGQ AFANTPEGFN YHPRVAPVAK
KRVSSVTEGG IDWAWGELLA FGSLANSRL VRLAGEDSRR GTFTQRHAVA IDPATAEFFN
PLHELAQSKG NNGKFLVYNS ALTEYAGMGF EYGYSVGNED SIVAWEAQFG DFANGAQTII
DEYVSSGEAK WGQTSKLILL LPHGYEGQGP DHSSARIERF LQLCAEGSMT VAQPSTPANH
FHLLRRHALS DLKRPLVIFT PKSMLRNKAA ASAPEDFTEV TKFQSVINDP NVADAANKVKK
VMLVSGKLYY ELAKRKEKDG RDDIAIVRIE MLHPIPFNRI SEALAGYPNA EEVLVQDEP
ANQGPWPFYQ EHLPELIPNM PKMRRVSRA QSSTATGVAK VHQLEEKQLI DEAFEA

> RXA02061 (1-1494, translated) 498 residues
MTNVSGYHRP ELHITAESGV LFAPAGVLLD DDTWHFFHQY RPSPDHGPRW AHQFAERTPF
VWDICDDVLA PEGDETQVRA GSVVSNNGGV DLYFTSVVGP TSTIQLAHIN NIRGTTTELIN
EDELGLDPDV SRIGEVVGNV DGYVKFRSPC VIPGWEDQGN RDEGHSGWLM LAVTGVPVEAP
TVVVLDPDG REWSITGPLS LNGLSGLESD EVLVAPRMIR LRDEVDHEIY DVLIVTIEQD
GIDISGYLVG QLNGSEFDVK TPFTRIDFGH DFSRPRNTNY AETTIGYDFA HIFGLMNGVG
RLDSPTEHLS WKEEGWANAI SFPRIVTLQD GTVFQTPPEG LLDIAHESEA AAGWTGLCEI
PSNSAVEVAL KDQEGEIAAT ITHRHNLQV DRSMNPNHAG DPHAIAPLTD DETDSLFIIV
DGSTVEVFAD GGYVSMASRV YFNNGPFSEF EVTTTGDAI IRQESHFPVD FSSVSLDIDD
LTALMQFDEN EPHEGPVR

> RXA02063 (1-1227, translated) 409 residues
MVKGVKGRPN VLAIVLAGGE GKRLFPLTED RAKPAVPFEG TYRLIDFVLS NLVNSGFLKI
AVLTQYKSHS LDRHISLSWN VSGPTGQYIA SVPAQORLKG RWFTGSADAI LQSLNLISDE
KPDYVIVFGA DHVYRMDPSQ MLDEHIASGR AVSVAGIRVP REEATAFGCI QSDVDGNITE
FLEKPADPPG TPDDPDMTYA SMGNYIFTTE ALIQALKDDE NNENS DHDMG GDIIPIYFVSR
NDAHVYDFSG NIVPGATERD KGYWRDVGTI DAFYECHMDL ISVHPIFNLY NSEWPIHTTS
EGNLPPAKFV RGGIAQSSMV SSGSIISAGT VRNSVLSNNV VVEEGATVEG AVLMPGVRIG
KGAVVRHAIL DKNVVVRDGE LIGVDQVRDA QRFKVSAGGV VVVGKNQVV

> RXA02100 (1-918, translated) 306 residues
IAGKAHPHDM GGKKLMQEIY HFADQAGVRD RFLFLPDYDI NLASYLISGA DVWLNNPVRP
QEASGTSGMK AVMNGGLTSL ISDGWWDEMP KETTGWITPT VESQDLECRD HLESQALYDL
LENEVAPLFY KRDKNIGIPQD WLDLVRESWT TLSPMVTSTR MVRDYTTQYY RPTKHQAELI
AQPAEAADYA AWLEHIKAEW AGVKVSDLKI SESAITAQEL EVSVRVDSGS LNDDEFQAQA
LFGALGHNGD IEDPEITVLT PRGDGAYAAK VSTDLPNGY ITARVVPNNR MLVSPAETRL
ITYLEN

> RXA02113 (1-1206, translated) 402 residues
LGRINAEQON LSEYLSDKLW YQDTADATDA VGDPLVAYFS MEFGIHPSLP IYSGGLGVLA
GENMKSASDL GVPLIGVGLL YTHGYFTQSL SGDGWQEEY KYHDPALPI EAVKDKNGEQ
VTVSVTYPGA QEVKIALWVA NVGRIPLLLL DTNIEANPEE LRNVTDRLYG GDNEHRIKQE
LVLGVGGVRA VNAFCEARGL KRSSVAHLNE GHAGFLTLE IRERIAEGME YPAAFEQVRA
SNIFTTHTPV PAGIDRFDMV MVRRLGGGQ PEDQQLCVGV PIEKALELGQ ESDPHRFNMA
HMGLRASQHA NGVAKLHGEV SRDMFAGLYP GYEPREVPIG HVTNGVHLPT WVKPEMKELI
DRVTGGADLA VADSWSNPQA VESEKIWKVR NKFRADLVEV AR

> RXA02122 (1-699, translated) 233 residues
MLHVMKPGSH AAAEKTQSTV VLLIRHGQTP TTGQVLPQOT PGLHLSKKE EQAREVAQRL
AEVPITAVYS SPAMERAQETA APTVSAHGLE LTVEPGLIEC DFGWTGRKL TELNALEEWK
AVQKTPSTFR FPGGESFVEM QDRMVEAIGN IAQQHPGEIV AAFSHADTIK AAVAHFVGTP
LDSFQRIFID TASSAVEFT GKSSGVSSH LLTNSRTGSL GYLKDKLPKA PQP

> RXA02140 (1-1077, translated) 359 residues
VEQQNKRLK RKALLGGVLG LGGLAMAGCE VAPPGVGLD FLRMGWPDGI TPEAVAMGNF
WSVWVAWI IGIIMWGLFL TAIFAWAKR AEKRGEFEFP KQLQYNVPLE LVLTVPIII

VMVLFFFTVQ TQDKVTALDK NPEVTVDVTA YQWNWKFGYS EIDGSLAPGG QDYQGS DPER
 QAAAEASKKD PSGDNPIHGN SKSDVSYLEF NRIETLGTTD EIPVMVLPVN TPIEFNLASA
 DVAHSFWVPE FLFKRDAYAH PEANKSQRVF QIEEITEEGA FVGRCAEMCG TYHAMMNFEL
 RVVDRDSFAE YISFRDSNP ATNAQALEHI GQAPYATSTS PFVSDRTATR DGENTQSNA

> RXA02142 (1-651, translated) 217 residues
 VTLANQTAIL DSVTSAVGNT GMAAPQRVAA LNRPNMVS VG TIVFLSQELM FFAGLFAMYF
 VSRANGLANG SWGEQTDHLN VPYALLITVI LVSSSVTCQF GVFAAERGDV YGLRKWFLVT
 IILGSIFVIG QGYEYITLVG HGLTIQSSVY GSAFFITTGF HALHVIAGVM AFVVVLMRIH
 KSKFTPAQAT AAMVVSYYWH FVDVWVWIGLF ITIYFIQ

> RXA02143 (1-888, translated) 296 residues
 MMETNPQTPE GNSMAKPSAK KVKNNRRKVR TVAGALALTI GLSGAGILAT AITPDAQVAT
 AQRDDQALIS EGKDLVDVAC ITCHGVNLOG VEDRGPSLVG VEGEAVYFQV HSGRMPILRN
 EAQAERKAPR YTEAQTALIA AYVAANGGGP GLVYNEDGTL AMEELRGYNY DGQITSADVA
 RGGDLFRLNC ASCHNFTGRG GALSSGKYAP NLDAANEQEI YQAMLTGPQN MPKFSDRQLS
 ADEKKDIIAF IKSTKETPSP GGYSLSGLGP VAEGLFMWVF GILVLVAAAM WIGSRS

> RXA02144 (1-1224, translated) 408 residues
 MSNNNDKQYT TQELNAMSNE DLARLGTELD DVTIAYRKER FPIANDPAEK RAARAVTFWL
 VLGIIGGLGF LATYIFWPWE YKAHGDEGLL AYTYLTPMLG ITSGLCILSL GFAVVLYVKK
 FIPEEIAVQR RHDGPSEEVD RRTIVALLND SWQTSTLGRR KLIMGLAGGG AVLAGLTIIA
 PMGGMIKNPW NPKEGPMVQ GDGTLWTSGW TLVENDVKVY LGRDTAAIAE SHTDATGEHW
 STTGVSRLVR MRPEDLAAAS METVFPLPAE MVNDGAEDP AKDVYEHQMH SVHGPRNAVM
 LIRLRTADAE KVIEREQES FHYGDYYAYS KICTHIGCPT SLYEAQTNRI LCPCHQSQFD
 ALHYGKPVFG PAARALPQLP ITVDEEGYLI AAGNFIEPLG PAFWERKS

> RXA02147 (1-1017, translated) 339 residues
 MFGRRWVS VV ASCVIAS TLI LVP SHSGAE VDQLIADIEH VSQETS AQNE EVKQLEIDIE
 AREVTIKEVQ EQSVSYREAA DQASENVEAY RSEINRIAQA KYRGTVTDPL SIAVSAEDPQ
 NVIDRMSYLS TLT KSTSDVV ESLNAETES AEA VYQANRT KAEAEFQLGQ LKVRQAELES
 EKEALDGRKS EIRD RVDALT PQEREMWVAK NGPLDIDLTD LLGLSAATSG AVDAALSKLG
 SPYGWGGIGP NEFDCSGLIY WAYQQMGKTL PR TSQAQ MAG GTPVSRDELQ PGDVIGYYPG
 ATHVGLIYIGD GKIVHASDYG IPVQVVS VDS APFYGARRY

> RXA02149 (1-969, translated) 323 residues
 MPQKPASFAV GFDIGGTNMR AGLVDESGRI VTSLSAPSPR TTQAMEQGIF DLVEQLKAEY
 PVGAVGLAVA GFLDPECEVV RFAPHL PWRD EPVREKLENL LGLPVRLEHD ANSAAWGEHR
 FGAAQ GADNW VLLALGTGIG AALIEKGEIY RGAYGTAP EF GHLRVVRGGR ACACGKEGCL
 ERYCSGTALV YTARELASHG SFRNSGLFDK IKADPN SING KTITAAARQE DPLALAVLED
 FSEWLGETLA IIADVLDPGM IIIGGGLSNA ADLYLDRSVN HYSTRIVGAG YRPLARVATA
 QLGADAGMIG VADLARRSVV EAN

> RXA02175 (1-1293, translated) 431 residues
 VATDNNAVL HYPGGEFEMD IIEASEGNNG VVLGKMLSET GLITFDPGYV STGSTESKIT
 YIDGDAGILR YRGYDIADLA ENATFNEVSY LLINGELPTP DELHKFNDEI RHHTLLDEDF
 KSQFNVFPRD AHPMATLASS VNILSTYYQD QLNPLDEAQL DKATVRLMAK VPMLAAYAHR
 ARKGAPYMY P DNSLNARENF LRMMFGYPTE PYEIDPIMVK ALDKLLILHA DHEQNCSTST
 VRMIGSAQAN MFVSIAGGIN ALSGPLHGGA NQAVLEMLED IKS NHGGDAT EFMNKVK NKE
 DGVRLMGFGH RVYKNYDPRA AIVKETAHEI LEHLGGDDL DLAIKLEEIA LADDYFISRK
 LYPNVDFYTG LIYRAMGFPT DFFT VLF AIG RLPGWIAHYR EQLGAAGNKI NRPRQVY TGN
 ESRKLVPREE R

> RXA02196 (1-693, translated) 231 residues
 MIKAIFWDM D GTMVDSEPQW GIATYELSEA MGRRLTPELR ELTVGSSLPR TMRLCAEHAG
 ITLSDADYER YRAGMFARVH ELFDES LVPN PGVTELLTEL KALEIPMLVT TINTERDLATR
 SVAAVGNEFF IGS IAGDEVP TAKPAPMYL EAARRVG FDP SECLVFEDSY NGMLGAVTAG
 CRVIGLHPEE VQAPEGVVPL RSLHGKNSFE GVTAEMVTAW YHQIEPAGVA K

> RXA02209 (1-1659, translated) 553 residues

VVPSIAGPKR PQDRILLSEA KEQFRKDLPT YTDDAVSVDT SIPATRMVNE GGGQPEGGVE
 ADNYNASWAG SGESLATGAE GRPSKPVTVA SPQGGEYTID HGMVAIASIT SCTNTSNPSV
 MIGAGLIARK AAEGKLKSKP WVKTICAPGS QVVDGYQRA DLWKDLEAMG FYLSGFGCTT
 CIGNSGPLPE EISAAINEHD LTATAVLSGN RNFEGRISPD VKMNYLASPI MVIAYAIAGT
 MDFDFENEAL GQDQDGNDFV LKDIWPSTEE IEDTIQQAIS RELYEADYAD VFKGDKQWQE
 LDVPTGDTFE WDENSTYIRK APYFDGMPVE PVAVTDIQGA RVLAKLGDSV TTDHISPASS
 IKPGTPAAQY LDEHGVERHD YNSLGSRRGN HEVMMRGTFE NIRLQNQLVD IAGGYTRDFT
 QEGAPQAFIY DASVNYKAAG IPLVVLGGKE YGTGSSRDWA AKGTNLLGIR AVITESFERI
 HRSNLIGMGV VPLQFPAGES HESLGLDGTE TFDITGLTAL NEGETPKTVK VTATKENGDV
 VEFDAICPHR HPR

> RXA02213 (1-717, translated) 239 residues
 VTESKNSFNA KSTLEVGDKS YDYFALSAPV GMEKLPYSLK VLGENLLRTE DGANITNEHI
 EAIANWDASS DPSIEIQFTP ARVLMQDFTG VPCVVDLATM REAVAALGGD PNDVNPLNPA
 EMVIDHSVIV EAFGRPDALA KNVEIEYERN EERYQFLRWG SESFSNFRV PPGTGIVHQV
 NIEYLARVVV DNEGLAYPDT CIGTDSHTTM ENGLGILGWG VGGIEAEAAM LGQPVSMLI

> RXA02245 (1-657, translated) 219 residues
 MAQRTPLIAP SILAADFSRL GEQVLAVPDA DWIHVDIMDG HFVFNLSFGA DITAAVNVRT
 DKELDVHLM IENPEKWVDNY IDAGADCIVF HVEATEGHVE LAKYIRSKGV RAGFSLRPGT
 PIEDYLDLLE HFDEVIVMSV EPGFGGQSFM PEQLEKVRTL RKVIDERGLN TVIEIDGGIS
 AKTIKQAAAD GVDAFVAGSA VYGAEDPNKA IQELRALAQ

> RXA02256 (1-1002, translated) 334 residues
 MTIRVGINGF GRIGRNFRA VLERSDDLV VAVNDLTDNK TLSTLLKFDS IMGRLGQEEVE
 YDDDSITVGG KRIAVYAERD PKNLDWAAHN VDIVIESTGF FTDANAACAH IEAGAKKVII
 SAPASNEDAT FVYGVNHESY DPENHNVISG ASCTTNCLAP MAKVLNDKFG IENGLMTTVH
 AYTGDQRLHD APHRDLRRAR AAANIVPTS TGAAKAVALV LPELKGKLDG YAJRVPVITG
 SATDLTFNTK SEVTVESINA AIKEAAVGEF GETLAYSEEP LVSTDIVHDS HGSIFDAGLT
 KVSQNTVKVV SWYDNEWGYT CQLRLTELV ASKL

> RXA02257 (1-1215, translated) 405 residues
 MAVKTLKDLL DEVDGRHVI VRSDFNPLN DDREITDKGR IIASLPTLKA LSEGGAKVIV
 MAHLGRPKGE VNEKYSAPV AEALSDELGQ YVALAADVVG EDAHERANGL TEGDILLLEN
 VRFDPRETSK DEAERTAFAQ ELAALAADNG AFVSDGFGVV HRAQTSVYDI AKLLPHYAGG
 LVETEISVLE KIAESPEAPY VVVLGGSKVS DKIGVIEALA AKADKIIVGG GMCYTFLAAQ
 GHNVQSSLQ EEMKATCTDL LARFGDKIVL PVDLVAASEF NKDAEKQIVD LDSIPEGWMS
 LDIGPESVKN FGEVLSTAKT IFWNGPMGVF EFAAFSEGTR GIAQAIIDAT AGNDAFSVVG
 GGDSAASVRV LGLNEDGFSH ISTGGGASLE YLEGKELPGV AILAQ

> RXA02258 (1-777, translated) 259 residues
 MARKPLIAGN WKMNLHQQA IGTVQKLAFV LPKEYFEKVD VAVTVPFTDI RSVQTLVEGD
 KLEVTFGAQD VSQHESGAYT GEVSASMLAK LNCSWVVVGH SERREYHNES DELVAAKAKA
 ALSNGISPIV CVGEPLIRE AGTHVEYVVE QTRKSLAGLD AAELANTVIA YEPVWAIGTG
 KVASAADAQE VCKAIRGLIV ELAGDEVAEG LRILYGGSVK AETVAEIVGQ PDVDGGLVGG
 ASLDGEAFK LAANAASVA

> RXA02259 (1-2772, translated) 924 residues
 VFQVMTDFL RDDIRFLGQI LGEVIAEQEG QEVYELVEQA RLTSFDIAKG NAEMDSLQVQ
 FDGITPAKAT PIARAFSHFA LLANLAEDLY DEELREQALD AGDTPPDSTL DATWLKLNQEG
 NVGAEAVADV LRNAEVAPVL TAHPTETRRR TVFDAQKWIT THMRERHALQ SAEPTARTQS
 KLDEIEKNIR RRITILWQTA LIRVARPRIE DEIEVGLRYY KLSLLEEIPR INRDVAVELR
 ERFEGGVPLK PVVKPGSWIG GDHDGNPYVT AETVEYSTHR AAETVLKYYA RQLHSLEHEL
 SLSDRMNKVT PQLLALADAG HNDVPSRVDE PYRRAVHGV GRILATTAE IGEDAVEGVW
 FKVFTPYASP EEFLNDALTI DHSRESKDV LIADDRLSVL ISAIESFGFN LYALDLRQNS
 ESIEDVLTEL FERAQVTANY RELSEAEKLE VLLKELRSPR PLIPHGSDEY SEVTDRELGI
 FRTASEAVKK FGPRMVPHCI ISMASSVTDV LEPMVLLKEF GLIAANGDNP RGTVDVIPLF
 ETIEDLQAGA GILDELWKID LYRNYLLQD NVQEVMLGYS DSNKDGGYFS ANWALYDAEL
 QLVELCRSAG VKLRLFHGRG GTVGRGGGPS YDAILAQPRG AVQGSVRITE QGEIISAKYG
 NPETARRNLE ALVSATLEAS LLDVSELTDH QRAYDIMSEI SELSLKKYAS LVHEDQGFID

YFTQSTPLQE IGSLNIGSRP SSRKQTSSVE DLRAIPWVLS WSQSRVMLPG WFGVGTALEQ
 WIGEGEQATQ RIAELQTLNE SWPFFTSVLD NMAQVMSKAE LRLAKLYADL IPDTEVAERV
 YSVIREEYFL TKKMFVCITG SDDLDDNPL LARSVQRRYP YLLPLNVIQV EMMRRYRKGD
 QSEQVSRNIQ LTMNGLSTAL RNSG

> RXA02288 (1-846, translated) 282 residues
 MSQVIPASSQ EKRRERIVSY VTRHGFAVE ALAELEFVSA MTIHRDLEAL AADNLVERIR
 GGARSVSPSM SELAVEQRRH LHRTVKEALC TAAARLIPEG AVVAIDDDSTT LESLVEKLPQ
 RSPSALITHS LKTMADHRVR AGMSDIRLIA CAGLYFAETD SFLGKATSAQ LNELSADISF
 VSTTAVRATG EVPALFHPDM EAADTKRALI GIGSVRVLVV DSSKFGSAGV FKVASIEEFD
 HIIIDQQCTR EQRDLLRNSR AQIHVIDHNG DEILDTPTEE DF

> RXA02292 (1-675, translated) 225 residues
 MDNDFESIEK MSSGDWYVAT GAEREEVAQK TALLFHEYNO IGPTDPARTA EILRTVLNPA
 SGTCTIKAPA IIEYGFNTTI GEHVFINFGL TILDIAPVRI GARSMLGPNC QLFTAGHPVD
 DWEMRSGGWE NGAPISIGED TWLGGNVTVV GGVSIGDRCV IGAGPVVTKD IPDDSIAGVN
 PARVVRKRDD SRLERSQLPE GASVDALGIL PTKSPRLSEN IAEKY

> RXA02322 (1-411, translated) 137 residues
 MRIHDVYTHL SADNFPKAEH LAWKFSELAT DPVEVTPDVS EMIINRIIDN AAVSAASVLR
 RPVTVARQQA QSHPREKGGK VFGISGSYSP EWAAFANGVA VRELDHFDTF LAEYSHPGD
 NIPPLLAQAQ AQRSSGR

> RXA02326 (1-816, translated) 272 residues
 MLGRPTKVTP SSKVVGDAL HLVGAGVDPA DFAADPQKYD IPDSVIAFLR GELGNPPGGW
 PEPLRTRALE GRSEGKAPLT EVPEEEQAHL DADDSKERRN SLNRLLFPKP TEEFLEHRRR
 FGNTSALDDR EFFYGLVEGR ETLIRLPDVR TPLLVRDLAI SEPDDKGMRN VVANVNGQIR
 PMRVRDRSVE SVTATAEKAD SSNGKHVAAP FAGVVTVTVV EGDEVKAGDA VAIIEAMKME
 ATITASVDGK IDRVVVPAAT KVEGGDLIVV VS

> RXA02327 (1-960, translated) 320 residues
 LLATRVRSFA LKPAAEAVAK LTPELLSVEA WGGATYDVAM RFLFEDPWDR LDELREAMPN
 VNIQMLLRGR NTVGYPYPD SVCRAVKEA ASSGVDIFRI FDALNDVSQM RPAIDAVLET
 NTAAEVAMA YSGDLSDPNE KLYTLDDYLLK MAEEIVKSGA HILAIDMAG LLRPAAVTKL
 VTALRREFDL PVHVHTHDTA GGQLATYFAA AQAGADAVDG ASGTTVWHHL PSHPLSAIVA
 AFAHTRDGTG LSLEAVSDLE PYWEAVRGLY LPFESGTPGP TGRVYRHEIP GGQLSNLRAQ
 ATALGLADRF ELIEDNYASR

> RXA02328 (1-1383, translated) 461 residues
 ASEAVRIGTE GSPVKAYLDI DEIIGAACKV KADAIYPGYG FLSENAQLAR ECAENGITFI
 GPTPEVLDLT GDKSRAVTAA KKAGLPVLAE STPSKNIDEI VKSAEGQYTP IFVKAVAGGG
 GRGMRFVASP DELRKLATEA SREAAAFGD GAVYVERAVI NPQHIEVQIL GDHTGEVVHL
 YERDCSLQRR HQKVVEIAPA QHLDPELRDR ICADAVKFCR SIGYQAGTV EFLVDEKGNH
 VFIEMNPRIQ VEHTVTEEVV EVDLVKAQMR LAAGATLKEL GLTQDKIKTH GAALQCRITT
 EDPNNGFRPD TGTITAYRSP GGAGVRLDGA AQLGGEITAH FDSMLVKMTC RGSDFETAVA
 RAQRALAEFT VSGVATNIGF LRALLREEDF TSKRIATGFI ADHPLLQAP PADDEQGRIL
 DYLADVTVNK PHGVRPKDVA APIDKLPNIK DLPLPRGSRD R

> RXA02329 (1-603, translated) 201 residues
 TATRQSRKGE ISSWKAEPAP FAGKMAIEAM DRAMRGEQSP APIWEGEDGV IAWLLSGKDH
 VYHVPLPEHG EPKLGILETY TKEHSAEYQS QAPIDLARRM KPLVDAAGGT EHIAEIVLRT
 SHHTHYVIGT GANDPQKMDP QASRETLDSH IMYIFAVALQ DGVWHHEFSY TRKRSTRPET
 VELWHKIRTV EDPEWTRRYH S

> RXA02332 (1-1143, translated) 381 residues
 MSDSQVRKGL NGVISDYTSI SKVMPESNSL TYRGYAVEDL VENCSEFEVI YLLWFGELPT
 TEQLRTFNTT GRSYRSLDAG LISLIHSLPN TCHPMDVLRT AVSYMGT FDP DPFTRDADHI
 RSIGHNLLAQ LPMVVAMDIR RRSGEIIP DHNKGIA SNF LSMVFGNDDG SVANSADDIR
 DFERSLILYA EHSFNASTFS ARVISSTRSD TYSAITGAIG ALKGPLHGGA NEFVMHTMLD
 IDDPNNAADW MGKALDRKER IMGFGHRVYK NGDSRVPSME KSMRSLAARH RGQKWVHMYE

SMQEVMEART GIKPNLDFPA GPAYYMLGFP VDFFTPLFVL ARVSGWTAHI VEQFENNALI
RPLSAYNGVE EREVVPISER T

> RXA02333 (1-219, translated) 73 residues
EIGYNAVIYP VTTLRIAMGQ VEQALAEIKE HGTQEGWLDL MQHRSRLYEL LRYEDYNVFD
QHIFTYRKGE NNE

> RXA02379 (1-705, translated) 235 residues
MRKHRWANAA GLYADTVAES TIGLILAQMH MHATTRLAKS WSVRPEVENN KSWLHDNKT
AILGAGGIGV RLLEMLKPFN VKTIAVNNSG RPVEGADETF AMDKAEHVWA EADVFLILP
LTDATYQIVN AETLGKMKPS AVVVNVGRGP LINTDDLVDL LNNGTIAGAA LDVTDPEPLP
DSHPLWEMDN VVITPHTANT NERIRALTGE LTLRNIELFE AGEQMATEVD VVAGY

> RXA02399 (1-1296, translated) 432 residues
MSNVGKPRTA QEIQDWDN PRWNGITRDY TADQVADLQG SVIEHTLAR RGSEILWDV
TQEGDGYINA LGALTGNQAV QQVRAGLKAV YLSGWQVAGD ANLSGHTYPD QSLYPANSVP
SVVRRINNAL LRSDEIARTE GDTSDNVWV PIVADGEAGF GGALNVYELQ KAMIAAGAAG
THWEDQLASE KKGCHLGGKV LIPTQQHIRT LNSARLAADV ANTPTVVIAR TDAEAATLIT
SDVDERDQPF ITGERTAEGY YHVKNLEPC IARAKSYAPY ADMIWMETGT PDLEIAKKFA
EGVRSEFPDQ LLSYNCSPSF NWSAHLEADE IAKFQKELGA MGFKFQFITL AGFHSLSNYGM
FDLAYGYARE GMTSFVDLQN REFKAEEERG FTAVKHQREV GAGYFDQIAT TVDPNSSTTA
LKGSTEEGQF HN

> RXA02404 (1-2136, translated) 712 residues
MQVAKVLYDF VTEAVLPRVG VDAEKFWSGF AAIARDLTPR NRELLARRDE LQMLIDDYHR
NNSGTIDQEA YEDFLKEIGY LVEEPEAAEI RTQNVDTAIS STAGPQLVVP ILNARFALNA
ANARWGSLYD ALYGTNAIPE TDGAEKKEY NPVRGQKVIE WGREFLDSV PLDGASHADV
EKYNITDGKL AAHIGDSVYR LKNRESYRGF TGNFLDPEAI LLETNGLHIE LQIDPVHPIG
KADKTGLKDI VLESATITIM DFEDSVAADV AEDKTLGYSN WFGLNTGELK EEMSKNGRIF
TRELNKDRVY IGRNGTELVL HGRSLLFVRN VGHLMQNPSI LIDGEEIFEG IMDAVLTTVC
AIPGIAPQNK MRNSRKGSYI IVKPKQHGP EVAFTNELFG RVEDLLDLPR HTLKVGVMDE
ERRTSVNLDA SIMEVADRLA FINTGFLDRT GDEIHTSMEA GAMVRKADMQ TAPWKQAYEN
NNVDAGIQRG LPGKAQIGK MWAMTELMAE MLEKKIGQPR EGANTAWVPS PTGATLHATH
YHLVDVFKVQ DELRAAGRRD SLRNILTIST APNTNWSEEE KKEEMDNQC SILGYVVRWV
EHGVGCSKVP DIHDIDLMD RATLRISQM LANWIRHDV SKEQVLESLE RMAVVVDKQN
AGDEAYRDMA PKYDASLAFQ AAKDLIFEGT KSPSGYTEPI LHARRREFKA KN

> RXA02414 (1-747, translated) 249 residues
MSYNPYNNT NFSTTGAFQ AGGPVKPWNK PDASLNQQLK NKSRTVGLT IAIGYVVVIW
AVHLASIVIA LLTGFLTNF GIHPLDTSAL WGIFTSPLLH GSFSLHIGT VPGFIFSFLI
GMSGKRVFWE VTIIAGLIGG LGTWIFGGIG TNHIGASGLI YGWLGYLIVR GIFNKDIKQF
LLGIVLAFIY SGLFWGLLPT QIGVSWQGH FGLGGLGAG AFIASDDPAA LKAKKQKKL
EKQQRQRL

> RXA02435 (1-558, translated) 186 residues
VTDNLGSTSI GDAWILYAPL MDDGGFGPLR AIGGMFLHIG PGHMLLNLVL LWLLGREIER
DFGSALFTAM YFVGGIGASA AVIWM DPYSP TAGASGAIYA MMAILVGLFV LRSADIRAPL
ILIAINIAYT LMSTNVSLWG HLGGLITGAL ITWPMVKAKT QRTRWIIVLI GFAVVVAVI
LGIDRV

> RXA02440 (1-840, translated) 280 residues
MVSHGAPGDT FWDLVRKGAE DAAQKDNVEL RYSSNPEIPE QSNLVQNAID SRVDGIAMTM
PNAQSLGPVA QKAVDAGIPV VGLNAGMNEY QDYGMTGFFG QDESAGASA GARLAEENAG
KVL CVIHEQG NSSQEARCAG VSEGLGKQVE TLYVNGMDLT SVNSTLQAKL AQDRSIDWV
GLQAGVSMAI SDAADAANSE VKIATFDTNA QLMATAIRDGK IQFAIDQPY LQGYMAVDSL
WLAHRNGTTV GGRPVYTGP AIVDATNVDV IAEAVGEGLR

> RXA02453 (1-753, translated) 251 residues
MKSIFISGAA NGIGKAVALK FLHEGWLVGA YDLAEITYSH PNLRWGYLNV RQSESWDKAL

EDFATHTGGT IDVVDNNAGV IIEGPLQDAE EGSVDKLLAI NVNGVTLGAR AAHPYLARTP
GAQLLNSSA SAVYGGPQIA VYSASKFYVA GLTEALNLEW RKDDIRVVDV WPLWAKTDLV
NGVKAkslkr LGVRITPEQV AQAVWDAVHP KSRWAKGKVH HGVSKLDKAL YLMKSLSPDR
VAMCFARLIA G

> RXA02474 (1-774, translated) 258 residues
MSKVAMVTGG AQGIGRGISE KLAADGFDIA VADLPQQEEQ AAETIKLIEA AGQKAVFVGL
DVTDKANFDS AIDEAAEKLK GFDVLVNNAG IAQIKPLLEV TEEDLKQIYS VNVFSVFFGI
QAASRKFDL GVKGKIINAA SIAAIQGFPI LSAYSTTKFA VRGLTQAAAQ ELAPKGHTVN
AYAPGIVGTG MWEQIDAELS KINGKPIGEN FKEYSSSIAL GRPSVPEDVA GLVSFLASEN
SNYITGQVML VDGGMLYN

> RXA02480 (1-849, translated) 283 residues
LSIGALSMAV WAHHMFVTGA VLLPFFSFMT FLISVPTGVK FFNWVGTMWK GHITWETPMI
WSVGFMAFLL FGGLTGIMLA SPPLDFHLAD SYFLIAHFHY TLFGTVVFFAS CAGVYFWFPK
MTGRMMDERL GKIHFVLTFFV GFHGTFLIQH WVGNMGMPPR YADYLDSDGF TIYNQISTVF
YFLLGLSVIP FIWNVFKSWR YGELVTVDDP WGYGNSLEWA TSCPPPRHNF ASLPRIRSER
PAFELHYPHM IERMRAEAHT GHDDINAPE LGTAPALASD SSR

> RXA02481 (1-612, translated) 204 residues
MLTGFLTPGG AADLGGPCTP HCLTQFTQPA LVLTCGLSGV GATGIGSVAS AINMLTTILC
LRAPGMTMFR MPIFTWNIFV VSVLALLIFP LLLAAALGVL YDRKLGGHLY DPANGGSLW
QHLFWFFGHP EVYVLALPFF GIVSEIIPVF SRKPMFGLRR PDLRLNVHWC TVHGCVGSPH
VRYWRSFASV LLLHVDVDFG SYRR

> RXA02485 (1-1101, translated) 367 residues
LDSSLAQEIA AIDGVELDSE VTFADLTTLR IGGKPRSAVR CQTTEALVSA IKLLDDASLP
LLIVGGGSLN VVADGDLDVI AVIIETDDVS INLTGGLTA DAGAVWDDV HLSVDAGLGG
IECLSGIFGS AGATPVQNVG AYGTEVSDVL TRVQLLDRTT HQVSWVDASE LDLSYRYSNL
KFTNRAVLA IELQLLTDGL SAPLRFGLG RRLAISEAEP HPRRPVRMVR DAVLELRRAK
GMVVEHTDHD TWSAGSFFTN PIVDPALADA VFEKVGEPTM PRFPAGDGKE KLSAAWLIER
AGFKKGHPGA GAKASLSTKH TLALTNRGDA RASDLVALAK EIRDGVLETF GVTILVPEPVW
IGISIDD

> RXA02492 (1-717, translated) 239 residues
MTNGKLILLR HGQSEWNASN QFTGWVDVNL TEQGEAEAKG VLPGVVYTSL LRRAIRTANI
ALNAADRWI PVIRDWRLE RHYGALQGLD KAATKEYGD DQFMEWRRSY DTPPELADD
AEYSQANDPR YADLDVVPRT ECLKDVVVR VPFEEEEILP RAKKGETVLI AAHGNLRLAL
VKHLDGISDA DIAELNIPTG IPLVYEIAED GSVVNPGGTY LDPEAAAAGA AAVANQGNK

> RXA02528 (1-975, translated) 325 residues
MSAKSSLKEV AELAGVGYAT ASRALSGKGY VSPQTRKVVQ AAAKELNYVP NQLAKALREH
RSALVGVIIP DLSNEYSES LQTIQQDLKA AGYQMLVAEA NSVQAQDVVM ESLISIQAG
IIHVPVVGSI APEGIPMVQL TRGELGPGFP RVLCDDEAGF FQLTESVLGG SGMNIAALVG
EESLSTTQER MRGISHAASI YGAEVTFHFG HYSVESGEEM AQVVFNNGLP DALIVASPR
MAGVMRAFTR LNVVRPHDVV IGGYDDPEWY SFVGAGITTF VPPHEEMGKE AVRLLVDLIE
NPELPTGDVV LQQQVILRGS STHSG

> RXA02539 (1-1518, translated) 506 residues
MTVYANPGTE GSIVNYEKRY ENYIGGKWVP PVEGQYLENI SPVTGEVFCE VARGTAADVE
LALDAHAAA DAWGKTSVAE RALILHRIAD RMEEHLEEIA VAETWENGKA VRETAAADIP
LAIDHFRYFA GAIRAQEDRS SQIDHNTVAY HFNEPIGVVG QIIPWNFPIL MATWKLAPAL
AAGNAIVMKP AEQTPASILY LINIIGDLIP EGVNLIVNGL GGEAGAALSG SNRIGKIAFT
GSTEVGKLIN RAASDKIIPV TLELGGKSPS IFFSDVLSQD DAFAEKAVEG FAMFALNQGE
VCTCPSRAL HESIADEFLE LGVKRVQNIK LGNPLDTETM MGAQASQEQM DKISSYLKIG
PEEGAQTLTG GKVNVVDGME NGYYIEPTVF RGTNDMRIFR EEIFGPVLSV ATFSDFDEAI
RIANDTNYGL GAGVWSRDQN TIYRAGRAIQ AGRVWVNQYH NYPAHSAFGG YKESGIGREN
HLMMLNHYQQ TKNLLVSYP NPTGLF

> RXA02551 (1-360, translated) 120 residues
 MSVCEAHNPE NYSTGGGNII GGVVSPTLAA SEGWQVVDPL GLRIVLNNYW ERWQKPLFIV
 ENGLGAKDVL IDGPSGPTVN DDYRIKYLDD GGSGILKRYK KKSFDWCRDI IATNGESLES

> RXA02556 (1-1158, translated) 386 residues
 LIVSTQIPITD RSALSAEHAE VIKATLPLVG GKINEITPVF YNKMFAAHPE LIANTFNNGN
 QKQGDQOKAL AASIATFATM LVTPDAPDPV QLLSRIGHKH VSLGITADQY DIVHEHLFAA
 IVEVLGAETV TAPVAEAWDA VYWIMANVLI GFENNLYASN DLEPGDVFRE VTVTAKKQLS
 ATVWEYTLAG ELVAPEPGQY TSIGVVLLDDG ARQLRQYSLG GGSDEYRIA VEDNGEVSGF
 LRDRVSVGDK IEATIAAGDL VLNKDTNPVV LISQGIGSTP MVGMLAGMNP ERDVVVLHAD
 QAESTYAQVE EVQGLVEKLP KAAFEIFYRD NDQWLEVAGR IPGASVYLC GGVEFLKNVR
 EQIEALDEQP RDVNFELFAP NDWLIS

> RXA02560 (1-822, translated) 274 residues
 MQGNSLNLAD NSERKKPMPS PGELLAARYG QPATWTTPQW NETLDVIHQH RSVRRWLDKP
 VDDDTIRTII SAAQSAGTSS NKQVISVIVV KDPELRKGLA GITRQMFPHL EQVPAVLIWL
 IDYSRISAVA AREDLPTGAL DYLDEAAWGF LDAGIAAQNA AIAAESLGLG TLYLGSVRND
 AEAVHKLGLL PPEIVPVVGL EMGHADPPEP AGIKPPLPQE AIVHWDTYPE KNLELIDSYD
 RALDTYYSTRY GQHQLWSKQT AHRAASKRCY KNQE

> RXA02572 (1-645, translated) 215 residues
 AVAEICEPTG ADAVALVDAL GHDDRIGRKF LGAGLGFGGG CLPKDIRAFM ARAGELGADQ
 ALTFLREVDS INMRRRDRVV QLAKEMCGGS LLGKRVTVLG AAFKPNSDDV RDSPALSVAG
 SLSLQGAASV VYDPEAMDNA RRVFPTLSYA SSTKEALIDA HLVVLATEWQ EFRDLDEVA
 GGVVEKRAII DGRNVLDVAK WKAAGWEMEA LGRNL

> RXA02596 (1-489, translated) 163 residues
 PVVYTGPLDL YFNIAEGKLG WRTLDFETEV VETGDFQGT VMNYNDADVP FTRIHEFRHF
 HPERDDSYPK DKTVMREFS RFADNEDEPY YPINTPDDR MLKQYRLLA EEAANNKVL
 GGRLGTQYL DMHMAIGSAL SMFDNKLVPF FEEGTPLEQE RGH

> RXA02611 (1-1752, translated) 584 residues
 DAWSDPMATW RHAITTKIEA GQGSDELYND FEHGAQLFER AAENLSKEDR TALFDVASSL
 RRGGDVRLR APALTASVTH LLELNPLREL VTGMENLQVR VERRAALVNS WYELFPRSTG
 GWDESGTPVH GTFATTAQAL ERVAKMGFDT VYFPIHPIG EVNRKGRNNT LTPEPHDVGS
 PWAIGSKDGG HDATHPRLGT IEDFQALLAR ARELNLEVAL DLALQAAPDH PWAQEHREFF
 TVLADGTIAY AENPPKKYQD IYPINFNDNA PKIYEEVYRV VKFWVDLGVT TFRVDNPHTK
 PANFWQWLIS AIHKSNEVI FLAEASTRPA RLYFLSKIGF SOSYTYFTWK VTNEELTEFA
 TEIAPMADIS RPNLFVNTPD ILHASLQHGG RAMFAIRAAL AATMSPVWGV YSGYELFEHE
 AVKPGSEEYL DSEKYELRPR DFEGALERGD SLEDYIALLN QIRANPALQ QLRNIHFHEA
 DNDQIIAYSK VDALTGNTVL IVVNLDPRA REATVRLDLG ALGLEAGAQF EVRDAITGSR
 YLWSETNFVR LEPLRDVAHI FVLPELPASR RERLAWREIK TYRA

> RXA02612 (1-2193, translated) 731 residues
 MTVPDASHIT IPEADLARLR HCNHHDHPGF YGWHETEAGS VIRTRQVGAT QVNLLIDSTS
 HVMTPIGDDI FAIDLGHREY ADYRLEVTWP DQEPQVKADP YYFLPTVGEM DIYLFSEGRH
 ERLWEILGAN IKTYQTALGT VRGTAFTVWA PNAIGCAVVG GFNGWNASQH PMRSMGSGSL
 WELFIPGIEE GEVYKFAVQT REGQRRDKAD PMARRAELAP ATGSIVASSE YQWQDSEWLR
 ERSQTDLASK PMSVYEVHLG SWRWGKNYED LATELVYVA DLGYTHVEFL PVAEHPFGGS
 WGYQVTGYA PTSRWGTPDQ FRALVDAFHA RGIGVIMDWV PAHFPKDDWA LARFDGEALY
 EHPDWRREGE KDWGTLVDFE GRNEVRNFLV ANALYWIEEF HIDGLRVDV ASMLYLDYSR
 EHGEWEPNIY GGRENLEAVQ FLQEMNATVL RLHPGALTIA EESTSWPGVT APTWDGGLGF
 SLKWNMGWMH DTLEYFSKNP VHRAFHSEL TFSLVYAFSE RFVLPISHDE VVHGKGSLOW
 RMPGDTWNKA AGLRTFLAYM WSHPGKKLLF MGQEFQREE WAEGQGLPWD IDGWQGEYH
 EAIRTLTRSL NGVYSDSPAL HTQDFTGEGF TWNKGDDATN NILAFTREGS DGSQMLCVFN
 LSGTSQPEYQ LGVAAGGEWK LVLNTDDAEF LGAENDIATS VQAAATPRDN FAYSLSLHVP
 AMSAQFYSLQ K

> RXA02621 (1-819, translated) 273 residues
 MSELICPAI LFAPAGRAEI IPKAASKADM VIIDLEDGAG EVDREVAYRN IRESGLDPKR

TIVRTVGPSP PHFLADVEMV KSTDFTLVMV PKLLGSVPPE LDGLNIIAMI ETPQAATSIP
QIAADPKVVG MFWGAEDLTH LLGGTHSRFL GDESNEGSYR DTMRLTRALM HLHAAANGKF
TIDAIHADFH DEEGLYLEAV DAARTGFAGT ACIHPKQIEI VRRAYRPEAN QLEWAKKVVE
EAENHPGAFK LDGQMIDAPL ISQARMVISR QPA

> RXA02640 (1-1527, translated) 509 residues

MRISKANAYV AAIDQGTST RCIFIDAQ GK VVSSASKEHR QIFPQQGWVE HDPEEIWDNI
RSVVSQAMVS IDITPHEVAS LGVTNQRETT VVWDKHTGEP VYNAIVWQDT RTS DICLEIA
GEEGQEKWLD RTGLLINSYP SGP KIKWILD NVEGARERAE KGDLLFGTMD TWVLWNLTGG
VRGDDGDDAI HVT DVTNASR TLLMDLRTQQ WDP ELC EALD IPMSMLPEIR PSVGEFRSVR
HRGTLADVPI TGV LGDQQA LFGQGGFHEG AAKNTYGTGL FLLMNTGTSL KISEHGLLST
IAYQREGSAP VYALEGSVSM GGS LVQWLRD NLQLIPNAPA IENLAREVED NGGVHVVPAPF
TGLFAPRWRP DARGVITGLT RFANRKH IAR AVLEANA FQT REVVDAMAKD AGKALES LRV
DGAMVENDLL MQMQADFLGI DVQRLEDVET TAVGVAF AAG LGSGFFKTTD EIEKLI AVKK
VWNPD MSEEE RERRYAEWNR AVEHSYDQA

> RXA02642 (1-498, translated) 166 residues

MTESKNYDLI VVGSGLFGLT VAERAASQLG KKV LIVERRS HLGGNAYSEA EPETGIEIHK
YGAHLFHTSN TRVWEYVNQF TSFTGYQHRV FAMHNGTAYQ FPMGLGLINQ FFGKYSPDE
ARELIKEQSA EIDSSDATNL EEKAISLIGR PLYEAFIRDY TAKQWQ

> RXA02654 (1-885, translated) 295 residues

MISLLNDPRT LFPKVDPPKQ SQPEPGLDIK LSPQADIGLS SYQSGSRLKG RKALITGGDS
GIGAAVAIAY AREGADVAIA YLPEEQADAD RVLQAIEETG QKAFFSPGDL RDPEYCRSLV
QETVNALGGL DILVNNASRQ VWAPGLTEIT DENFDQTLQV NLYGSFRVTK AAIPHLKPGS
SIIFTSSIQA YQPSETLLDY AMTKAALNNL SKGLASSLIG DGIRVNSVAP GPFWTP LQPS
HGQPQEKIEG FGQHAPIGRA GHPVELAGAY VFLASDEASY VVGETLGVTG GTPTP

> RXA02666 (1-768, translated) 256 residues

MSSTRIPVIA LLAAAGRGRTR LGGPIPKAFV TLRERTLIER SLQAMLTSES VDEIIILVSP
DMETYARDLL RKRGLNDPE GVRVRLVHGG GERADSVWAG LQAISLDDAT PDAIVLIHDS
ARALT PPGMI ARVVRKVHEG ATAVIPVLPV SDTIKRVSPD GGVVVDTPNR AELRAVQTPQ
GFLLSELVAA NEKFFADPNP GFIP TDDASL MEWYGADVVC VQGDPM AFKV TTPIDMMLAQ
RITDEAEPTI FEVPGD

> RXA02675 (1-363, translated) 121 residues

ILMTGMRHEN FGIMIARGDL AVELGFDRMA EVPQLIMALA EAAHVPTILA TQVLENMAKN
GLPSRAEITD AAMALRAECV MLNKGPHIND AIKVLTEMSR KLGASQRKSR LLLRKVKSW E

> RXA02694 (1-942, translated) 314 residues

MKETVG NKIV LIGAGDVGVA YAYALINQGM ADHLAIIDID EKKLEG NVMD LNHGVVWADS
RTRVTKGTYA DCEDAAMVVI CAGAAQKPGE TRLQLVDKNV KIMKSIVGDV MDSGFDGIFL
VASNPVDILT YAVWKFSGLE WNRVIGSGTV LDSARFRYML GELYEVAPSS VHAYIIGE HG
DTELPVLSSA TIAGVSLSRM LDKDPELEGR LEKIFEDTRD AAYHIIDAKG STSYGIGMGL
ARITRAILQN QDVAVPVSAL LHGEYGEEDI YIGTPAVVNR RGIRRVVELE ITDHEMERFK
HSANTLREIQ KQFF

> RXA02695 (1-1422, translated) 474 residues

MNEFDQDILQ EIKTELDELI LELDEVTQTH SEAIGQVSPT HYVGARNLMH YAHLRTKDLR
GLQORLSSVG ATRLTTTEPA VQARLKAARN VIGAFAGEGP LYPPSDVVDA FEDADEILDE
HAEILLGEPL PDTPSCIMVT LPTEAATDIE LVRGFAKSGM NLARINCAHD DETVWKQ MID
NVHTVAEEVG REIRVSMDLA GPKVRTGEIA PGAEVGRARV TRDETGKVLT PAKLWITAHG
SEPVPAPESL PGRPALPIEV TPEWFDKLEI GSVINVPDTR GSRAFTVTR VFDGAVLAEG
PQKAYISNGT LLEHNYDRSR VYGIPAVVQR INLKVGDRLI LTDEELTYDP SLGSGRTPRI
SCTLPQAVDA IKVGHRVLFD DGAIAAVCID KTSTADGHND VELEVTHARP QGVNLAAYKG
INLPDSELPL PSLTEEDLQH LRFVVKYADI AAISFIRNVA DVEYLLQALA DIGD

> RXA02729 (1-744, translated) 248 residues

MDSPMSNSTG TDIVVVG SIN ADLTAKVQRH PEPGETLLGS GGTVSAGGKG ANQAVAAAQL
 GAKVTMIGAV GTDQMAGEAL THLRQSGADM SAIATVDGPT GLAIITVSDD GENTIIVIPG
 ANASVTAEFV DKHSQLIENA GIVLLQGEIP ADGFERAVDL SQGRVVINLA PVVPVGHDL
 RRADPLLNE HEGALVLDML GTPATTS DPQ SLVTELLEQG FTSVMTLGA EGALVGTPGQ
 LTAIPTPK

> RXA02730 (1-1038, translated) 346 residues

MATEKFRPTL KDVARQAGVS IATASRALAD NPAVAASTRE RIQQLASDLG YRANAQARAL
 RSSRSNTIGV IVPSLINHYF AAMVTEIQST ASKAGLATII TNSNEDATTM SGSLEFLTSH
 GVDGIICVPN EECANQLEDL QKQGMPPVVLV DRELPGDSTI PTATSNPQPG IAAAVELLAH
 NNALPIGYLS GPMDTSTGRE RLEDFKAACA NSKIGEQLVF LGGYEQSVGF EGATKLLDQG
 AKTLFAGDSM MTIGVIEACH KAGLVIGKDV SVIGFDTHPL FALQPHPLTV IDQNVEQLAQ
 RAVSILTELI AGTVPSVTKT TIPTALIHRE SIINSTLRKK DGLPNE

> RXA02737 (1-1542, translated) 514 residues

VSTNTTPSSW TNPLRDPQDK RLPRIAGPSG MVIFGVTDGL ARKKLLPAIY DLANRGLLPP
 GFSLVG YGRR EWSKEDFEKY VRDAASAGAR TEFRENVWER LAEGMEFVRG NFDDDAAFDN
 LAATLKRIDK TRGTAGNWAY YLSIPPDSFT AVCHQLERSG MAESTEEAWR RVIIIEKPFHG
 NLESAHELNO LVNAVFPESS VFRIDHYLGK ETVQNILALR FANQLFEPLW NSNYVDHVQI
 TMAEDIGLGG RAGYYDGIGA ARDVIQNHIL QLLALVAMEE PISFVPAQLQ AEKIKVLSAT
 KPCYPLDKTS ARGQYAGWQ GSELVKGLRE EDGFNPESTT ETFAACTLEI TSRRWAGVPF
 YLRTGKRLGR RVTEIAVVEK DAPHQPFDDG MTVSLGQNAI VIRVQPDEGV LIRFGSKVPG
 SAMEVRDVNM DFSYSESFTE ESPEAYERLI LDALLDESSL FPTNEEVELS WKILDPIEL
 WDADGEPEDY PAGTWGPKSA DEMLSRNGHT WRRP

> RXA02738 (1-1080, translated) 360 residues

MSHIDDLAQL GTSTWLDDLS RERITSGNLS QVIEEKSVVG VTTNPAIFAA AMSKGDSYDA
 QIAELKAAGA SVDQAVYAMS IDVRNACDL FTGIFESSNG YDGRVSIEVD PRISADRDAT
 LAQAKELWAK VDRPNVMIKI PATPGSLPAI TDALAEGISV NVTLIFSAR YREVIAAFIE
 GIKQAAANGH DVSKIHSVAS FFVSRVDVEI DKRLEAIGSD EALALRGKAG VANAQRAYAV
 YKELFDAEL PEGANTQRLP WASTGVKNPA YAATLYVSEL AGPNTVNTMP EGTIDAVLEQ
 GN LHGD TLSN SAAEADAVFS QLEALGVDLA DVFQVLETEG VDKFVASWSE LLESMEARLK

> RXA02739 (1-2100, translated) 700 residues

LTTTLTSPSEL QALTVRNYP S DWSDVDTKAV DTVRVLAADA VENC GSGHPG TAMSLAPLAY
 TLYQVRMNVD PQDTNWAGR D RFVLS CGHSS LTQYIQLYLG GFGLEMDDLK ALRTWDSLTP
 GHPEYRHTKG VEITTGPLGQ GLASAVGMAM AARRERGLFD PTAAEGESPF DHHIYVIASD
 GD LQEGVTSE ASSIAGTQQL GN L I VFWDDN RISIEDNTEI AFNEDVVARY KAYGWQTIEV
 EAGEDVAAIE AAVAEAKKDT KRPTFIRVRT IIGFPAPMTM NTGAVHGAAL GAAEVAATKT
 ELGFDPEAHF AIDDEVIAHT RSLAERAAQK KAAWQVKFDE WAAANPENKA LFDRLNSREL
 PAGYADELPT WDADEKGVAT RKASEAALQA LGKTLPELWG GSADLAGSNN TVIKGSPSFG
 PESISTETWS AEPYGRNLHF GIREHAMGSI LNGISLHGGT RPYGGTFLIF SDYMRPAVRL
 AALMETDAYY VWTHDSIGLG EDGPTHQPV E TLAALRAIPG LSVLRPADAN ETAQAWAAAL
 EYKEGPKGLA LTRQNVPLV E GTKEKAAEGV RRGYVVLVEG SKETPDVILM GSGSEVQLAV
 NAAKALEAEG VAARVVSVP C MDWFQEQDAE YIESVLPAAV TARVSVEAGI AMPWYRFLGT
 QGRAVSLEHF GASADYQTLF EKFGITTDV VAAAKDSING

> RXA02740 (1-930, translated) 310 residues

LDTIKAYIAL TKPRVIELLL VATIPTMLQA ERGENNIVLI LLTVFGGWMG AAAANTFNMV
 ADSDIDQRMG RTRARPLVRH TVSNRDASIF AWVLTVASFL WLWLLCDSML AGIFVLITIF
 FYIFVYTKWL KRRTHMNIVW GGAAGCMPVL VGWAVIVDQF EPGVPQQWWQ AIVLFMVIFF
 WTPPHTWALA MKYREDYKAA GVPMLPVVRT PVQVTAQIVW YSVATVLTTF LLIPATGWIY
 AAIAVISGVT FLEMAIKLHL GIKNGGKVKP LKLFILSN NY LAVLFVALSV DAVLGLETIG
 EMLGWTTTTF

> RXA02741 (1-966, translated) 322 residues

MKAILVSRTG GPEVLEFDT DAPKPTDDQV LVEVDMAGVN FIDTYRQGE YHARLPFIPG
 FEGTGRVLED PQGLIAAGTK VAWCDAMGSY AQQVCVPRDR LVAVPEGVSS EVAASMLMQG
 ITAHYLTNGV YELEEGDSCL ITAGAGGVGL LATQMAAAKG VRVYSVSTD EKAELALDAG
 AYEVEFRYSDN LAEQVRRHNG GRGVDVYD GVGSTFNESL EAVRPRGTVC LFGAASGPVE

PFDPQLLNTH GSIFLTRPSI GAWTSEEGER AKRAQAVTQA IVEGTLRVRV TGTYSLADAY
IAHRDLQARS TSGSLVLEIP KD

> RXA02743 (1-1038, translated) 346 residues
VSTSDAPSNN PVELKPITFW APTIKVQRIL ALLLLIFQGG ITVTGSIVRV TGSGLGCDTW
PLCHEGSLVP VAGAAPWIHQ AVEFGNRMLT FVLAAAALAL FIAVLGAKRR REILVHSFIQ
GLGIILQAVI GGITVLVDLH WYAVALHFLP SMILVFMAAI LYTRIGEPDD GEITTTFTPTW
IRNVAVIGAV ALSVVLITGT MTTGAGVHSG DASITMDDRL DVSIDLMAHI HGYSMYIYLF
FTLIVVAGLY KAKTTKHNKQ LGLMLILFIL IQAGIGILQY RMGVPRWSIP FHIAMSSVVV
AFTSLLWAQG RIRVGGKATV TGSVDGDIKN EIITNPFEEK SKQPVK

> RXA02797 (1-903, translated) 301 residues
MNNRIVVVGS INADLNVLD RHPAPGETLL GSGGHITAGG KGANQAVAAA LQGADVAFVG
AVGKDPYAAP ALEFLRSSGV DLTAVSEVDD TTGLAVITVA KDGENNIVVI PGANSLVNCD
YVSSQSALLA EAGILLQGE IPADGFKEAI HHTMGRVVVN LAPVIEVEKS ALLEADPIIA
NEHEAGLILD QFGAGIDSMD PHELAQALLD AGFASVVLTL GSAGALVADA TGITDIATPT
VQAVDTTGAG DAFAGAFCAR LIKGD SLIDA ATHAARVGAY SVQTAGAQAS YPDASVSLPS
V

> RXA02803 (1-399, translated) 133 residues
SGEMLAAALS AGMASQGV DV IRVGVIPTPA VAFLLTDDYGA DMGVMISASH NMPFDNGIKF
FSAGGHKLPD HVEDEIERVM DSLPAEGPTG HGVGRVIEEA TDAQDRYLEH LKEAVPTSLE
GIKIVVDAAN GAA

> RXA02807 (1-465, translated) 155 residues
MAHSYAEQLI DTLEAQGVKR IYGLVGDSL N PIVDAVRQSD IEWVHVRNEE AAFAAGAES
LITGELAVCA ASCGPGNTHL IQGLYDSHRN GAKVLAIASH IPSAQIGSTF FQETHPEILF
KECSGYCEMV NGGEQGERIL HHAIQSTMAG KGVSV

> RXA02821 (1-180, translated) 60 residues
VGYG IATIGP GLGIGILVGK ALEGMARQPE MAGQLRTT MF LGIAFVEALA LIGLVAGFLF

> RXA02829 (1-276, translated) 92 residues
MQKNILKSGI EISELGLGCM SLGTDYKKAQ PIIESAIDNG ITYFDTADIY DQGVNEEIVG
KALKKYQNRD DIVIGTKVGN RLTDDGHMTW GS

> RXA02852 (1-279, translated) 93 residues
VAVSDFSTDL PNQIREWVPG DYTVLGADGF GFS DTRPAAR RFFNIDAESI VVAVLNSLAR
EGKIDVSVAA QAAEKFKLDD PTSVSVD PNA PEE

> RXA02853 (1-1407, translated) 469 residues
MAKRIVIIGG GPAGYEAALA GAKYGA ETV IEDVGVG GSA VTMDCVPSKS FIAGTGIKTD
LRRADD MGLN RGLGKAHLEI DALNIRVKDL AKAQSEDILG QLQRSDVRMI NGVGRFDDYN
TKQTTHYIKV THSDGSEETV ECDLVLVATG ATPRILKGAE PDGERILTWR QVDIEELPT
HLIVVSGVT GA E FVS AFAE LGVKVTMVAS RDRILPHDDA DAADVLETVL AERGV SLEKH
ARVESVTRTE DGGVCVRTAD GREIYGSHAL MTVGSI PNTA DLGLENIGVE LAPSGHIKVD
XVSRTNIPGV YAAGDCTDLF PLASVAAMQG RIAMYHALGE GVSPIRLKT V ATAVFTRPEI
AAVGITHAQV DSGEVSARVI VLPLATNPRA KMRSLRHGFV KLFCCRNSGL IIGGVVVAPT
ASELILPIAV AVTNRLTVAD LADTFAYVPS LSGSITEAAR QLVQHDDL G

> RXA02854 (1-1584, translated) 528 residues
MDESRLSFG TAGLRAPVGP ARHQMNVLQV TRTTAGVASW LAERAALNPV PHLVPEDET G
IGRALYPQDG PLRVVVG YDA RYGSHTFAAT TAEVFAGAGF EVTLLPTPSP TPLIPWLVNK
HGLDAGVQIT ASHNGAADNG YKVFLSNGRQ LYSELEPELE AHINAVEDPI RVPRVTVRPT
ADQLRRYVDE MVSLVTPDQA DLLRVNSERG NLRVVYTALH GVGGRAMANA FQFAGFPHTH
GVKAQQYPDF TFPTVAFPNP EEP SAI ELL ERAKEKNADI LFALDPADR CAVGIRTADG
GHRMLSGDEV GTLLATRLVP EYSGEGPRPV VATTVVSSQL LGIIAEDKGW DYSETLTGFK
NLSRAADGLD GPLAFAYEEA VGTC PVPDVV PDKDGISTAL FMASWAAELK AQGASLQQKL
NELYRRYGYF ASSQIAV RVS SPRELVDHWI AHPQQELIGV SVTPHILPEK QGIALHGQVG

HVHIRAIGRV SGTEAKAKLY LEVGQASSHD EAAQLLHQLE DEVQSWLS

> RXA02872 (1-672, translated) 224 residues
AREAWRIFMS HWDLYAGTAT GYWVEQEFEH VFGINAERLN VGTPEHADAI FDELTDLILAK
PDFRPRALAE QFNLEVLATT DDPLDDLADH KALADDPFES PRVLPTFRPD AYTKMYNAGW
AEKTTKLIDT AGDGKAGWEG YLQAMRNRQ YFINHGATSA DHGLHDTDTT PLSHKDAQKI
LDKGLAGTAT LAEMHAFEAN TTYRFAEMSQ EDGLVMTIHP GVYR

> RXA02873 (1-510, translated) 170 residues
FGENKDLISD SSFNRWLRTV SLGSTQDADM AAASNLAANS KMARQNTRDI LDAVSDGGVM
LGRNGALVLG PVVGTLHIKF IAPLNKRVER VMYKTGLSEA AAAEQCALED RLREEMAHAL
YQWNPGRDEN YDLVINTGSM TYEQIVDLVV ETYARKYPLH VRIIPNGKDQ

> RXA02887 (1-408, translated) 136 residues
MADQAKLGK PSDDSNFAMI RDGVASYLND SDPEETNEWM DSLDGLLQES SPERARYLML
RLLERASAKR VSLPPMTSTD YVNTIPTSM EPEFPGDEEME KRYRRWIRWN AAIMVHRAQR
PGIGVGGHIS TYAGAA

> RXA02897 (1-1287, translated) 429 residues
DLDGFRQEVs REQGGIPSYP HPHGMKDFWE FPTVSMGLGP MDAIYQARFN RYLENRGIKD
TSDQHVAFL GDGEMDEPES RGLIQQAALN NLDNLTFFVN CNLQRLDGPV RGNTKIIQEL
ESFFRGAGWS VIKVWGWREW DELLEKDQDG ALVEIMNNTS DG DYQTFKAN DGAYVREHFF
GRDPRATAKV ENMTDEEIKW LPRGGHDYRK VYAAKYRALE TKDRPTVILA HTIKGYGLGH
NFEGRNATHQ MKKLTLDLKL LFRDKQGIPI TDEQLEKDPY LPPYYHPGED APEIKYMKER
RAALGGYLPE RRENYDPIQV PPLDKLRSVR KGSGKQOIAT TMATVRTFKE LMRDKGLADR
LVPIIPDEAR TFGLD SWFPT LKIYNPHGQN YVPVDHDLML SYREAPEGQI LHEGINEAGS
VASFIAAGT

> RXA02902 (1-672, translated) 224 residues
LASDLGIKFV AVVDKDLTA EK FATGLGAA GDSSESSVKA HGSLPALFSK KKIDVLHITT
PHDQHIGLAL EALHHGVNVI LEKPLANELD QAQRLIDYLD ENPDGPKIAV CYQNRYNVSS
QELRRLDSG DLGAINGAYS SVVWTRTPGY YTQKPWRGQQ AHSGGGLLMN QAIHTLDDLQ
WFLGKATEVK GTVSTD KYAD VIDVEDTAHA YIGHESGVHT SEVS

>RXN00013 TRANSLATE of: rxn00013.seq check: 4426 from: 1 to: 873
MEGMTNPEQTHPAASLEDMIKTITKTFVIAHQDSDEHLAQALVYNAGRLAWRMRENGVD
TDYKTSVSDVVTADRAAEAFVAGVLEALRPEDGVLGEEGADRASKSGKTWVIDPVDGTY
NFTQGS DYWCSALALVEGDPSAPSRVLF GAVHRPAMGYTWFGGPGIRTTLTGKELDLLVD
APLNQISLATYIHPSRIAEPDIQKAWMSVATHPATLRMFGAGSIDLANIADGSMGAWVQH
SVADWDWLPGRALIEGVGGACIKVTAGGVEVSVAGNAEAVSEISETLSALD

>RXN00014 TRANSLATE of: rxn00014.seq check: 1159 from: 1 to: 780
MSKYADDLALALELAELADSITLDRFEASDLEVSSKPDMPVSDADLATEEALREKIATA
RPADSILGEEFGGDVEFSGRQWIIDPIDGTKNYVRGVPVWATLIALLDNGKPVAGVISAP
ALARRWASEGAGAWRTFNGSSPRKLSVSQVSKLDDASLSFSSLSGWAERDLRDQFVSLT
DTTWRLRGYGDFFSYCLVAEGAVDIAAEPEVSLWDLAPLSILVTEAGGKFTSLAGVDGPH
GGDAVATNGILHDETLDRLK

>RXN00043 TRANSLATE of: rxn00043.seq check: 5115 from: 1 to: 1164
MAEVVHYQENAGQAVKKIEGRIVTPHGVIDGFLQLENGIITELSGEPAPKNAGFHPPELPT
IVPSFIDLHNHGGNGGAFPTGTQDQARNAAQYHREHGTTVMLASMSAPADALAAQVENL
IPLCEEGLLCGIHLEGPFINACRCGAQNPDIFFPGNPTDLAQVIHAGKGWIKSITVAPET
DNLTELLDLCAAHIIASFGHTDADFDTTSAIALAKEKNVTVTATHLFNAMPPHHRDP
GSVGALLAAARAGDAYVELIADGVHLADGTVDLARSNNAFFITDAMEAAGMPDGEYILGV
LNVTVTDGVARLRDGGAIAGGTSTLASQFVHHVRRGMTLIDATLHTSTVAAKILGLSDHE
IVKSNPVNFVVFDSNGQLQQVHLDHQVI

>RXN00148 TRANSLATE of: rxn00148.seq check: 5482 from: 1 to: 2211
MTSIPNFSIDIPLTAETRASESHNVDAQKVWNTPEGIDVKRVFTQADRDEAQAAGHPVDSL
PGQKPFMRGPYPTMYTNQPWTIRQYAGFSTAESAFAFYRRNLAAGQKGLSVAFDLATHRG

YDSDNERVVGDVGMAGVAIDSILDMRQLFDGIDLSSVSVSMTMNGAVLPILAFYIVAAEE
 QGVGPEQLAGTIQNDILKEFMVRNTYIYPPKPSMRIISNIFEYTSLKMPRFNSISISGYH
 IQEAGATADLELAYTLADGIEYIRAGKEVGLDVKFAPRLSFFWGISMYTFMEIAKLRAG
 RLLWSELVAKFDPKNAKSQSLRTHSQTSGWSLTAQDVYNNVARTAEAMAATQGHQTSLH
 TNALDEALALPTDFSARIARNTQLLLQQESGTVRPVDPWAGSYVVEWLTNELANRARKHI
 DEVEEAGGMAQATAQGIPKLRIEESAARTQARIDSGRQALIGVNRYVAEEDEEIEVLKVD
 NTKVRAEQLAQLKAERNDAEVKAALDALTAARNEHKEPGDLQNLKLAVDAARAK
 ATIGEISDALEVVFGRHEAEIRTLSGVYKDEVGKEGTVSNERAIALADAFEAEEGRRPR
 IFIAKMGQDGHDRGQKVVASAYADLGMDVDVGPLFQTPAEAAARAADVDVHVGMSSLAA
 GHLLTLPELKKELAALGRDDILVTVGGVIPPQDFQDLYDMGAAAIYPSGTVIAESAIDLI
 TRLAHLGFDLDVDVNE

>RXN00200 TRANSLATE of: rxn00200.seq check: 5263 from: 1 to: 3438
 MRQVGNGGHQLDSINVSDVVESKCLKGSAQEPQVAPGWLKKLAISSGGLLGMFVLLP
 FLPVNQVQSSLSWPQNGELSSVNAPLISYAPQSMASIPVSALDSINDNQSLVMGTLPLD
 STDATNRGLFVRTIDGNLDVIVRGEVLLDLSPTENVRLPDDAILEISSTEETTSAEITGT
 AFSGETEGDERPQVTGVYTELVDDPSTASALASAGLNVDIEINSRFTSSPSLLKYAAIFI
 GLASVLSLWTLHRMDILDGRKAHRFLPANWYKLPKPLDGVVVAILVFWHFLGANTSDDGF
 IMTMARVSQNADYMANYYRWFGVPESPFGAPYDILLALMAYISTSSIWLRLPALLAGLIM
 WFWITREVMFRGSLVNGRRVAHWSAAMVFLAFWL PYNNGTRPEPIIAMGALLAWVSFER
 AIATSRLLPAAIGVIIATISLASGPTGLMAVAALLVSLSALIRILYRRLPLIGASRGASK
 SKVFGASMAMLAPFLASGTAILIAVFGDQTLSTVMESISVRSAGKPALTWYHEYVRYQTV
 MEQTVDGSTFTRFAVLMLMACLAIVVIAILRYGRIPGAAGKPSLRLLMMVIFGTMFFMMFT
 PTKWTHHFGVYAGLAGALAGLAAVGLSYVAVKSPRMRTISIGAFLLALALAGVNGFWY
 TSSYAVPWWDKTIQIKGIEASTVVLVIAVIVLIIGVIQSFVHDVKTAQAETNHSMGELVA
 EDEAKRERASRFTGLAASPIAGVSALVVLITCASMGKGFVDQYPAYSVGLGNLRSITGNT
 CGLASDAMLETNSNDSFLTVPVNSTLGESLESEDIRGFSAGIPPSISQDQADLSAVGAIA
 NTDDSTETGGSDSSGQSTGNTGGVRGSEGINGSNARLPFNLDYTQVPVVGWSAGTQNP
 ANIITDWEIPEATEEAPIIVVSAAGRIEHYDINGVRQSGQSVMLEYGRRLRDNQDVEDLG
 EAMMYDIGPEPSWRNLRYPLDQLPEEADVVRIVATDVNLDEDQWVALTPPRVNLDSLNN
 VIGSETPGLLDWAVGLQFPCQRTFDHYAGVTEIPEYRISPDHGKSTLSPFQDWAGGGSM
 GTAEAVNNAYEIPSYLRNDWGRDWGSIERYSLRTNSNGDAPKVADINLETIQRSGLWNP
 G
 HMKVDE

>RXN00231 TRANSLATE of: rxn00231.seq check: 1223 from: 1 to: 1470
 MTINVFELLVKSPGTGLLIGDSWVEASDGGTFDVENPATGETIATLASATSEDALAALDAA
 CAVQAEWARMPARERSNILLRRGFELVAERAEFATLMTLEMGPPLAEARGEVITYGNEFLR
 WFSEEAVRLYGRYGTTPEGNLRMLTALKPVGPCLLITPWNFPLAMATRKVAPAIAAGCVM
 VLKPARLTPLTSQYFAQTMLDAGLPAGVLNVVSGASASAINPIMEDDLRKVSFTGSTP
 VGQQLLKKAAADKVLRTSMELGKNAPFIVFEDADLDLAIEGAMGAKMRNIGEACTAANRFL
 VHESVADEFGRFARLEEQVLGNGLDEGVTVGPLVEEKARDSVASLVDAVAEGATVLT
 GKGAGTGAGYFYEPTVLTGVSTDAAILNEEIFGPVAPIVTFQTEEEALRLANSTEYGLAS
 YVFTQDTSRIFRVSDGLEFGLVGVNSGVISNAAAPFGGVKQSGMGREGGLEGIEEYTSVQ
 YIGIRDPYAG

>RXN00296 TRANSLATE of: rxn00296.seq check: 2905 from: 1 to: 2844
 MTHTIKFNRLDPEVFSQHSRAKLRTDMTTRAAAYSSDAGIFRRVPAVAEPENVEQIRDAI
 AVAVARGWSVVGRRGGSSVAGNAIGEGLIIDTSRYFNRIILDIDPVAQTAVVEPGVCDAL
 RDAAAEFGLTYGPDPSHRSCTIGGMVANNACGSHSVAFGTAAENLVDVTLMLSDGREVT
 VTKDGCDDAEINQKLTDLASKNQDLISKELGRFPRQVSGYGLHYLAHDMAMAGTEGTI
 GIITRLTVKLVPTPKVKALAVLAFDVTVFDAARAAAKLRLPGVATIEGMGGDLLAALRSKQ
 GQSEAGQNLPGNRIGIEAGGWLYCETGSDTLQAAVQAAEEVATAVDTIDYVVVSEPSEMR
 ELWRIRESSAGIFSTRADGGEAWPNWEDSAVPPENLADYLRDLALMDKFDYQGIPIFGHF
 GEGCVHVRISIDFSTKEGLKKFEAFMNEASTLVASYGGSLSGEHGDGRARSSFDRMYS
 EMRALFEEFKLIFDPQRI FNPGLVWADPVMQGLRMDPGQALDITPVHKFSKDKGSMIN
 AVNRCVGVSAKRSESDAMCPSFQITGDEVHSTRGRARLLSEMFRGESIADGYRSEEVNEA
 LDLCLSCACASECPVNVDMSTYKAEFLDKHYAGRLRPMAYVMGWLPLLGHVAHKIPLL
 PTLIDATMQSALTAPVVRKVGGGLADRPLISFAHRSLRKYKPKKNSGETVVLPDSFNTNL
 DTGPAHAAIKTLEALGYNVVVPDGFVCCGLTWHSTGQLSMTKKVLEQTAKVMKPYLDQGL
 TVVGLEPSCVTMLQDEATELSNPDRLARLAALTKPFAEVIAPKITELVESGSLQLESTA
 LTQVHCHERSLGDPPQSALVLEALGVKDEQIATGCCGLAGNWGFEKDHAEMSFALGEREL

FPKVRKAEHGVIAADGFSCRTQIEQGTGKQATHLAENVLSILEQNNMAQ

>RXN00310 TRANSLATE of: rxn00310.seq check: 2380 from: 1 to: 435
MSDKIWKVGIIGCGAISRNHIEAVQAIPGAEVSAVCDVDGAKASETAAKYGISPSFTSVD
EILASGVDIVAVCTPHPTHTVVLAAAAAGVHVLCEKPIAIELDSAQRMIDACESAGVQL
GVLFQRRFWPAAQKMKKEPSWANAR

>RXN00316 TRANSLATE of: rxn00316.seq check: 4820 from: 1 to: 1146
MGQCTVALYREHSYYTATPWRTWAADGGGVLMTQAIHYIDLWLLGEPVEVFGYTNSF
KHGDNIEVEDSAVATVRFESGALATISATTAAEPALGAQVQVMGTGKATMTILEFPEGTD
GRLIVRSENDTRRNHPIPPRGSLSCRSFHHQRCFDPVSHRPDRRLYRCAQRRPPTTDHR
PRCHQSSSESPWCLRISSHPPAGLFDLTEAFKTSRQIGLAPLSSLSTPPDQLVRLAAATG
FSFVGLRVIAVTPNERVYDLSPGSPLLAATQQALKETALYVLDTEFLQVNADTTREAWLP
ALEAAGALGAKTFTIAAGDDNIAPLTDITIGAMVDDARDFGVTPALEPISYRSVHSIPQAA
AIARDSGGKVADTLHMARFGA

>RXN00317 TRANSLATE of: rxn00317.seq check: 4403 from: 1 to: 654
VTTSPSKTLLFDLDGTLVDSFPGIRTSFLHTLHEKNWEIPSEERISQVPGPPMEWTFQDL
GMTPEQAQDALQTYLEHYQVGWDLSEAFPGMRDLLIRLKYEGFRLCTATSKGEFFAEKV
LRKFEMFDLFEFMGAATDSGNRRSKSAVIKHVLDVGLDEPNIDILMIGDRSHDIEGSSEF
GIDCAVAVTWGYGSKTEWDAARYTVSTAEELERIIHDWA

>RXN00337 TRANSLATE of: rxn00337.seq check: 9748 from: 1 to: 1050
MLLTAYAFVDVEGGVEKHSLSSTADIAARAHAMKSHDVLGRQTPPQPEGGVAARLGGIAW
TMIHKQMLSRDITKGLDITVLSTIPEGVGLGENSAMDVALLALALYRENIEEAPTAKARIAEI
CSQSAFMFSETSVLRARHTVALRGETGQISVVDYADGSVTQAPHPVSRASGLSAFVVAQ
TETDPSIYREIYARHAFIDEAARAFSVESLRLLPDASTRVVDWLQAVIEVTGREDLPSIE
QAQRWLNLENENETRAQRTANALRSRRLSEFSELLMESQDDLSDTFDFPPADLALARLCV
ERGATAARSTARGVIALVDAHHAHNFAADLSEDGLLVVPLGHGDVAEQG

>RXN00387 TRANSLATE of: rxn00387.seq check: 3252 from: 1 to: 855
MFRSNISYAVGDDIQNDPETWEDYELRVNHLRIEGDRVYLQGHGFAPTFTVTWPNGETR
TQTVQWRPDDFTFFLSSGVVRFDPAGMPDLYERRQNQLAIQGLFAPTAEWEGDNNELL
TSSYPAMRDPVAVIDIYRGDNGLDTGIGQSLFSLDSSLMHSGVLQKIERVNLQIGDVTVL
DDGTTVSFDGASEFANYQISRDPQTQNWVLVTTVISLVSLSVLSLMIRRRRIWVRFPQENG
TTRVETGGLARTDRAGWGGEYEKFHRELLGLKEEDEDEEYFDHDD

>RXN00388 TRANSLATE of: rxn00388.seq check: 9749 from: 1 to: 1011
MLPVNQTYAQFSDTAFVSAYIIYVLALILSLVYYVKQQGIIDARREQTRVSELVGAGGSA
DVDTDLPPDDIADGVLADEDLAKREETARKLANMTQSLMWLGVMVHLVSVVMRALSASRFP
FGNLYEYILMVTLFAMIGAVLILQRPQFRVWPWILTPMLALLFYGGTQLYSDAAPVPA
LQSFWFPIHVSSVSIGASIGIVSGIASLLYILRMWQPKGKEKGFFGAVAKPLPSGKTLDN
LAYKTAIWTVPFIPLGLIILGAIWAEAAWGRFGWDPKETVSFITWVLYAGYLHARATAGW
RNTNAAWINILALVTMIFNLFFINMVVSGLSYAGLN

>RXN00389 TRANSLATE of: rxn00389.seq check: 9029 from: 1 to: 1560
MITATALHGC SLIDGEWVAGKNGEITGFDPRTNASLNPSYSLANSAQLRAATTSAKRAFE
SYRLTTPEVRADFLDSIADNIDALS GEIVQASLETGLGTTRLTGEVARTSNQLRLFAET
VRSGQFHRVRIERGPRIDLQRQVPLGPVAVFGASNFPVAFSTAGGDTASALAAGCPVVF
KAHNAHPGTAELVGQAVRGAVEKHEFDAGVFNLVYGRGVEIGQELAADPNITAIGFTGSR
QGGALALSQTAFSRPVPVPVFAEMSATNPVVFPGALADLDASSSLAEAFASVTGSSGQL
CTKPGLVFI PRGVVGDAFVALVAAKF KETTGTMLTQGIAQAWQRGVDNLAQPSVKILA
QGT PGDGENAPGPVVFESDVQALLNNVVLQEEIFGAASLVVRYDSPDQLHQVANSLEGQL
TATI HASQDDFQEVSKLIPLEDLAGRVLYGGWPTGVEVGHTVIHGGPYPATSNQSTSV
GTLAIERFMRPVSYQTFPAELLDPVSEANKWAVPREIDR

>RXN00401 TRANSLATE of: rxn00401.seq check: 9893 from: 1 to: 939
MARFSPQDLADHLKDGLLSFPATAFQDDLEVDEAAAYVEHIEWQSSYPVAGLFAAGGTGEG
FSLTVEENHRVTQLAVQASSPEVPVLGSATGSTKSAIANAQAAGAAAGAEVLLPPYLTE
CDAEGLYNHAAAVCESTSLGVIVYNRANAIYSPEVIARLSERYPNFIGFKDGTGNIEHLA
KITTL CGDRLFYLGGLPTAETFALPLLQMGMSYSSAMFNFI PDFALS FYADVRAQDSAA

VKQKLSDFVLPYLDIRDRAGGYGVSIGKGLKAVGRNAGGVRPPLRNLSEQDIADLSDDL
ATSGAGSYRLQLR

>RXN00427 TRANSLATE of: rxn00427.seq check: 2014 from: 1 to: 786
MGRILVFYSVTLEVAGDRPVYTPSRNLGDDGGGFAFGFLTALALGANAVWCTDDDDGRPEG
PGVLKTLIDAASRHNLEEVSPVVCNADDPERLAFPLRRGLEWRRMRSELIDPANPEDDLL
PGIASLFNGALISAYAMERIGVPDYRLFIRGDEVEYHRRLLVRSGLPFGTCLTTAYLHPDG
SDEFKPILGGRMHTQYPDNDKFRFFTYRNRGYLMSQPGMRKLLPQEYARFAWFFLVQKRD
VKGFEWLRLHLKLRDEKFNRP

>RXN00483 TRANSLATE of: rxn00483.seq check: 5018 from: 1 to: 1464
VLVTGATGYIGGRLITELLAAGFQVRATSRKKTSLQRFDWYEDVEAVEADLTDATELDTL
FKDQDVVYYLVHSMGGKNVDFEEQEQRTAENVIQAADQAGIKQIVYLSGLHPRNRKIEEL
SKHMREREKVAQILLAGQTPALILRAATIIGSGSASFEEIRHLTERLPRMIAPQWITNQI
EFLAIRDVLHYLISAADLKDPVNRSCDIGCGKSYEFADLLRIYADVRLKRVNSVPLNL
PMDKLSGLWISLVTVPVQFQLSFPLAQSMADAVTEHSIKDIISDPPDGFIEYREAVELA
LAAEFDRGVPTSWDRSWTVQQPWAGQPTDPEWAGKAVYEDVVRTEDTLRAAQVWPIIEGL
GGVNGWYSAPLLWRLRGIADRLIGGPGLGGRRDPRHLKLGDRIDWWRVTEIDPPHRLVLT
AEMKVDGGAWLILEVADKENGCGCTYTQRAIFEPKGLPGYLYWWVVSFHAIFPYMRSNI
LKAARKLT

>RXN00519 TRANSLATE of: rxn00519.seq check: 5871 from: 1 to: 2214
MAKIIWTRTDEAPLLATYSLKPVVEAFAATAGIEVETRDISLAGRILAQFPERLTEDQKV
GNALAELEGELAKTPEANIILKPNISASVPQLKAAIKELQDQGYDIPELPDNATTDEEKDI
LARYNAVKGSAVNPVLRGNSDRRAPIAVKNFVKKFFHRMGESADSNTVATMDANDFR
HNEKSIILDAADEVQIKHIAADGTETILKDSLKLLEGEVLDGTVLSAKALDAFLLEQVAR
AKAEGILFSAHLKATMMKVSDPIIFGHVVVRAVFADVFAQYGEQLLAAGLNGENGLAAILLS
GLESLENGEEIKAAFEKGLEDPDLAMVNSARGITNLHVPSPDIVDASMPAMIRTSGHMW
NKDDQEODTLAIIPDSSYAGVYQTVIEDCRKNGAFDPTTMTGTVPNVGLMAQKAEYGSND
KTFRIEADGVVQVSSNGDVLIEHDVEANDIWRACQVKDAPIQDWVKLAVTRSRLSGMPA
VFWLDPERAHDRNLASLVEKYLADHDTEGLDIQILSPVEATQLSIDRIRRGEDTISVTGN
VLRDYNLTLFPILGLTSKMLSVVPLMAGGGLFETGAGGSAPKHVQQVQVEENHLRWDSL
GEFLALAEFRHELNNNGNTKAGVLADALDKATEKLLNEEKSPSRKVGEIDNRGSHFWLT
KFWADELAAQTEDADLAATFAPVAEALNTGAADIDAALLAVQGGATDLGGYSPNEEKL
NIMRPVAQFNEIVDALKK

>RXN00528 TRANSLATE of: rxn00528.seq check: 9827 from: 1 to: 1089
MSTSTIRVAIAGVGNCAATSLIQGVEYYRNADPSETVPGLMHVKFGDYHVGDI EFVAAFV
DAEKVGIDLADATEASQNTIKIADVPQTGINVLRGPTLDGLGDHYRATIDESTAEFPDV
VQALIDAKADVLVSYPVGSEADKFYAQAADAGCAFNALPVFIASDPEWAKKFTDAG
IPIVGDDIKSQIGATITHRVLARLFEEGRVVRDRTMQLNVGGNMDFKNMLDRNRLESKKV
SKTQAVTSNIPDGPLSGKVEDRNVHIGPSDHVQWLDDRKWAYVRLEGTAFGGVPLNLEYK
LEVWDSPNSAGIIDA VRAAKIALDRGIGGPIMPASSYLMKSPPEQLPDDVACERLEAFI
IEA

>RXN00595 TRANSLATE of: rxn00595.seq check: 7949 from: 1 to: 1530
MAMDVLLPIFVAVPLAASAIIVLLPWRLIRDILHIIVPFAGIFAGIWLFAHTAEHGPIAH
NVGLYVGGVAIPFAADTFSAIMLITTSIVAVANWFATIVGETRARFYPALTLMLITGVN
GALLTADLFNFFVIEVMLLPYGLIAMTGTWARLASGRIFVLVNLASTLLVAGVGIVY
GVIGSVNIAALQDVVEGNPLVASAMGIVVIAIAVKAGVFPVHTWLPRTYPGTSAAVMGLF
SGLHTKVAVYMLYRIWVHIFNMDPTWNWLIVAFMVISMVVGGLAGLAENSIRRVLAYQMV
NGMPFILIMMAFTSDDPQRALAAGLLYTLHMITIAALVLTSGAIEETYGTGMLSKLSGL
ARREPVVAAVFAAGAFSVVGFPPFGSMWGGKALILLEIARVGNIAAWIAIAAIIIASLGAL
LSMIRVWREVFVGGAMHQRGVSPQLRISPAKIAPALSIIILSVGMFIFAGPLIDATLTAT
DGLLNTDAYQQAVLGENAIGVPSPSYQGGN

>RXN00606 TRANSLATE of: rxn00606.seq check: 8402 from: 1 to: 2274
VLTGVIAVLIAMSAFTKSAQFPFHFWLPEAMAAATPVSAFLHAAAVVKAGIYLLRFSIV
FHDVAVWNWLLIIVGMGTAIMSAYFAVQKTDLKKLTAYSTVSHLGWIVATIGVGTFFALG
AAIVHTLSHALFKSSFLMIGVIDHQTGTRDIRRLGLFLVKKMPFTFVSVLIGALSMAVSP

PLLGFSKEGMITAFMDAPIGNSYVLLLVGAAIGAVLTFTYSAKLVLGAFVDGPRDMSH
 VKEAPVSLWLPAALPGLMSLPLVLVLSLFDAPVSAAATSAAGEAAHMLALWHGINTPLL
 ISLGVLVAGILGVLFRKELWKIAETSPFPFIATGNDILSMLVYRANLLGKFFGRMADSMSP
 RRHLVSLIVLLWALAAAFATIHPSVQLAPKQPGIDRWIDLIPLAIIALS FVGLLTTRNRLS
 AAVLVGTGTVGVVSFQMLLLGAPDVALTQFLVEGLVVVIIMMVVRHQPANFKRIKPSRRRS
 TVLVAVLAAFAAFMAVWGLLGRHERSELAMWYLNQGPETITSGANVVNTILVEFRALDTLG
 ELSVLGMAAVVIGAMVASMPRHPPFAKGTHPRPFGQSQNLNIPRLMLLKVLVPALCFLSFM
 VFMRGHNDPGGGFIAALIAGGALMLLYLSKAKDGRIFRPNVPFILTGAGILMAVFSGLV
 LTHGSFLYAIHFNFVQHWTTSMIFDLGVYLAVLGMVSMANGLGGYLRPGTDNADLDYA
 RRSGLPATPTVEPEPEGDEDDWPEPINPAGDNKEEANR

>RXN00635 TRANSLATE of: rxn00635.seq check: 3133 from: 1 to: 1737
 MAHSYAEQLIDTLEAQGVKRIYGLVGDSLNPIDAVRQSDIEWVHVRNEEAAFAAGAES
 LITGELAVCAASCGPGNTHLIQGLYDSHRNGAKVLAIASHPISAQIGSTFFQETHPEILF
 KECSGYCEMVNGGEQGERILHHAIQSTMAGKGVSVVVIPGDIKEDAGDGTYSNSTISSG
 TPVVFDPDTEAAALVEAINNAKSVTLFCGAGVKNARAQVLELAEKIKSPIGHALGGKQYI
 QHENPFVEVGMSGLLGYGACVDASNEADLLILLGTDFPYSDFLPKDNVAQVDINGAHIGRR
 TTVKYPVTGDVAATIENTILPHVKEKTDRSFLDRMLKAHERKLSSVVEITYTHNVEKHVPIH
 PEYVASILNELADKDAVFTVDTGMCNVWHARYIENPEGTRDFVGSFRHGTMANALPHAIG
 AQSVDRNRQVIAMCGDGGGLGMLLGELLTVKLHQLPLKAVVFNNSSLMGVKLEMLVEGQPE
 FGTDEHEEVNFAEIAAAAGIKSVRITDPKKVREQLAEALAYPGPVLIDIVTDPNALSIPPT
 ITWEQVMGFSKAATRTVFGGGVGAMIDLARSNIRNIPTP

>RXN00684 TRANSLATE of: rxn00684.seq check: 631 from: 1 to: 1284
 MTSQTSQQSTSTGGCPFGHTSESTSHHGYQPFDMHNPFPAYKELRQEEPVMFDERIGYVW
 VTKYDDIKTTFFDDWETFSSENAQAPVRKRGPQATQIMTDGGFTAYSGLSARIPPEHTRIR
 AIAQKAFTPRRYKALEPDIRAMVIDRVEKMLANDQHVGDMSVSDLAYDIPTITILTIGAD
 IFMVVITYKRWSDSRAAMTWGDLSDDEEQIPHAHNLVEYWQECQRMVADAHAGGDNLADL
 VRAQQEQGEITDHEIASLLYSLLFAGHETTTTLISNCFRVLDDHPEQWQAILENPKLIPA
 AVDEVLYRSGSIVGWRRKALKDTEIGGVAIKEGDGVLLLMGSANRDEARFENGEEFDISR
 ANAREHLSFGFGIHYCLGNMLAKLQAKICLEEVTRLVPSLHLVADKAIGFRENLSFRVPT
 SVPVTWNA

>RXN00705 TRANSLATE of: rxn00705.seq check: 1372 from: 1 to: 915
 MGRITQNLQVPRVVSTDEQVFVNTTRPDTVAVEEPLAIRVNGTALTTTMRTPGHDIELVHG
 LLLSEGLITDASEVFTARYCAGAVGPDNQNTYNVLELDVIPKDNPARDPVQNPNSHNPEGS
 QHEALHIPTFQPVRELNLVAAQRNVLTTSACGVCGTTSIEQLMNKKGWPIPTPITPDPRMI
 VSLPDKLKSKQKIFDKTGGVHAAGLATLDGEMLI IREDVGRHNAADKVIGNMLMAGKLPL
 ENTILVMSSRASFEVLVQKAAMAGISGVIAGVGAATSLAIEAAQDSGIFLAGFVRGNKFNHY
 AGELG

>RXN00799 TRANSLATE of: rxn00799.seq check: 3114 from: 1 to: 1644
 MSQERPQIGSRLSRVIEQDGLQFRDLGDGVLAPYEDWRLTPAERAADLVKRMNVEEKAG
 LMIIGSHYPGYSPLAPESEGKDAEKCEPLLNVPDMWREDNPITGVPFTEPVLATSSSTENA
 INLRNQRYLIVRDNLPARGLATWTNAVQEAERSRLGIPVAFASNPRNHVALVAQFGVNE
 SAGVFSEWPGELGLAALRDAELMETFGTEAAKEWRAGGVHKLYGYMADLASEPRWSRFNG
 TFGEDPELISDYIAAVVRGLQGPELSKNSVSTTIKHFPGGGVRLDGHDPHFHWGQTNEYYP
 TEDALGKYHLPPFQAAIDAGCASIMPYYARPMNNSANQLDQQLWQNPTTQFEEVAFAYNR
 TFIQDLLRDAMGHRGVNSDSGVIDAMMWGVEELSEPERFAAAVRAGTDIFSDMANPRRL
 LEAVAEGHLDSELNQPVQRLLEEIFQLGLFENPYVSEDEAEKIIGAPEVSALGNKAQLD
 SVTLLRNNPIRAATGSCSKPEDLPIGYWPYQDRRGSTTAGSSHSRRTPRGNLGVFRVRSR
 SCNRVGSF

>RXN00868 TRANSLATE of: rxn00868.seq check: 5375 from: 1 to: 1911
 MAETKRMTVSQALVEFLGHQWTVGDGDIRERTIPGMFGIFGHGNVAGIGQALKQYNVEQPE
 LMPYYQARNEQAMVHQSVGYARMHRRRGTYASAASVGPATNLLTGAALATTNRLPALLL
 PSDTFATRVAADPVLQQLQEPWDIGLTVNDAFRPVSKFFDRVQRPEQLFSIALAAMRVLT
 PAETGAVTIALPEDVQAEMLDVPVEFLQDREWHIRRPRAALARAIEVIKNAKNPMII
 AGGGVLYSDAETQLQALVEQTGI PVGTSQAGGGVLAWDHAQNLGGVGATGTLANRIAGD
 ADVIIIGIGTRYSDFTTASRTAFQNPDVTFININVASFDAYKHGTQLPVIADAREAIVELA
 EALQGFTVAEDYAQRIAKEKAAWDAEVDKSFAPSGLALPGQPEIIGAVQASTSEKDVIQ

AAGSLPGDLHLKLRVRDALGYHVEYAFSCMGYEIAGGIGAKRGLDAAGDDRDVVIMVGDG
 SYLMLNTELVTAVAEGIKVIVVLIQNHGYASIGHLSETVGSQRFGTWYREYDAEAKNFQG
 EQILPVDLAMNARSYGMDVIEVEPSANAIEDLKAAMATAKASEKSTFIHINSPLIYAPD
 GAGWWDVPVSETSTLDSNAAREDYLNQALQRLLG

>RXN00871 TRANSLATE of: rxn00871.seq check: 1232 from: 1 to: 888
 MRWFHKKGELARDGWQSVVDATTPGWEYTGIRIAELGSGESLELNDTGVERIFIPLOQGSF
 DVAHHGQVTHLHGRKSVFDGPTDVLVYPTGQTATLSGQGRVAVAEAPTQEPKEWKYIAPA
 ETPVELRGAGRSSQVHNFGTPEALDAARLIVCEVITPGENWSSYPHKKHDEHIPGHESK
 LEEIYYFESAPSRVGGRAEAAEGAFGMFSTYSSPAGEIDINAMVYSGDIALVPFGYHGPA
 VAAPGYDLYLNVLMAGPDPERIWLINDDPAHAWVRDWTGQAFDDRPLPYENANKEG

>RXN00872 TRANSLATE of: rxn00872.seq check: 2930 from: 1 to: 954
 MTNLTSTHEVLAIGRLGVDIYPLQSGVGLADVQSFGKYLGGSAANVSVAARHGHNSALL
 SRVGNDPFGYLLAELERLGVNDQYVATDQTFKTPVTFCIEFPDDFPLYFYREPKAPDL
 NIESADVSLDDVREADILWFTLTGFSEEPSRGTHREILTTRANRRHTIFDLDIRPMFWES
 PEEATKQAEWALQHSSTVAVGNKEECEIAVGETEPERAGRALLERGVELAIVKQGPKGVMA
 MTKDETVEVPPFFVDVINGLGAGDAFGGALCHGLLSEWPLEKVI,RFANTAGALVASRLEC
 STAMPTTDEVEASLNQKV

>RXN00879 TRANSLATE of: rxn00879.seq check: 6977 from: 1 to: 2118
 VTARRFLNELADLYGVATSYTDYKGAHIEVSDDTLVKILRALGVNLDTSNLPNDDAIQRQ
 IALFHDREFTRPLPPSVVAVEGDELVPVHVHDGSPADVHIELEDGTQRDVSQVENWTAP
 REIDGIRWGEASFKIPGDLPLGWHKLHLKSNERSAECGLIITPARLSTADKYLDSPRSGV
 MAQIYSVRSTLSWGMGDFNDLGNLASVVAQDGADFLINPMHAAEPLPTEDSPYLPTR
 RFINPIYIRVEDIPEFNQLEIDLRRDIAEMAAEFREERNLTSDIERNVYAAKLQVLRAI
 FEMPRSSEREANFVSFVQREGQGLIDFATWCADRETAQSESVHGTEPDRDELTMFYMWLQ
 WLCDEQLAAAQKRAVDAGMSIGIMADLAVGVHPGGADAQNLSHVLAPDASVGAPPDGYNQ
 QGQDWSQPPWHFVRLAEEGYIPWRNLLRTVLRHSGGIRVDHVLGLFRLFVMPRMQSPATG
 TYIRFDHNALVGILALEAELAGAVVIGEDLGTFFEPWVQDALAQRGIMGTSILWFEHSPSQ
 PGRRQEEYRPLALTTVTTHDLPPTAGYLEGEHIALRERLGVNLTDPAAELAEDLQWQAE
 ILDVAASANALPAREYVGLERDQRGELAEELLEGLHTFVAKTPSALTVCCLVDMVGEKRAQ
 NQPGTTRDMPNWCIPLCDSEGNVSLIESLRENELYHRVAKASKRD

>RXN00999 TRANSLATE of: rxn00999.seq check: 9801 from: 1 to: 1452
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 TVEEFVASLEKPRRAIIMVQAGNATDAVINQLADAMDEGDIIIDGGNALYTDITRREKEI
 SARGLHFVGAGISGGEAGALNGPSIMPGGPAKSYESLGPLLESIAANVDGTPCVTHIGPD
 GAGHFVKMVHNGIEYADMVIGEAYHLLRYAAGMQPAEIAEVFKEWNAGDLDLYLIEITA
 EVLSQVDAETGKPLIDVIVDAAGQKGTGRWTVKAALDLGIATTGIGEAVFARALSGATSQ
 RAAAQGNLPAGVLTDLALGVDKAQFVEDVRRALYASKLVAYAQQGFDEIKAGSDENNWDV
 DPRDLATIWRGGCIIRAKFLNRIVEAYDANALESLLDPYFKSELGDLIDSWRRVIVTA
 TQLGLPIPVFASSLSYYDSLRAERLPAALIQQQRDFFGAHTYKRIDKDGSFHTEWSGDRS
 EVEA

>RXN01025 TRANSLATE of: rxn01025.seq check: 6040 from: 1 to: 996
 VVSVSVMGAGSWGTTLAKVFSDAGNAVTLWARREELASTIRDSENRDYLPGITLPESLQ
 VTSSATEALEGAAIVVLAIPSQALRGNLAEWKETIPQDATLVSLAKGIEKGTHLRMSEVI
 AEVTEADPSRIAVLSGPNLAREIAEGQPAATVIACPENRAKLVQAAVAAPYFRPYNTD
 VVGTEIGGACKNVIALACGISHGYGLGENTNASLITRGLAEIARLGATLGADAKTFSGLA
 GMGDLVATCSSPLSRNRSFGERLGQGESLEKAREATNGQVAEGVISSQSIFDLATKLGVE
 MPITQAVYGVCHRDMKVTDMIVALMGRSKKAE

>RXN01048 TRANSLATE of: rxn01048.seq check: 6923 from: 1 to: 1224
 MTIDLQRSTQNLTHEEIEAHEGGKLSISSTRPLRDMRDLRLAYTPGVAQVCEAIKEDPE
 VARTHTGIGNTVAVISDGTAVLGLDIGPQASLPVMEGKAQLFSSFAGLKAIPVLDVHD
 VDALVETIAAIAPSFAGINLEDISAPRCFEVERRLIERLDIPVMHDDQHGTAVVILAALR
 NSLKLLDRKIEDLKIVISGAGAAGVAAVDMLTNAGATDIVVLDSRGIHDSREDLSPVKA
 ALAEKTNPRGISGGINEAFTGADLFIVSGGNIGEDALKLMAPEPIFTLANPTPEIDPE
 LSQKYGAIVATGRSDLPNQINNVLAFPGIFAGALAAKAKKITPEMKLAAQRQSQTSQLRT
 SRSAASCLPPWIPALPQQSRQLSRPSPKRKTLKNLLIDASLPVEAPIF

>RXN01049 TRANSLATE of: rxn01049.seq check: 4562 from: 1 to: 1482
 MGSIPTMSIPFDDSRGPYVLAMDIGSTASRGGLYDASGCPKGTQKQRESHEFTTGEVST
 IDADQVVSEITSVINGILNAADHHNIKQDIAAVALDSFASSLILVDGEGNALTPCITYAD
 SRSAQYVEQLRAEIDEKAYHGRTGVCLHTSYHPSRLLWLKTEFEKEFNKAKYVMTIGEYV
 YFKLAGITGMATSIAAWSGILDAHTGELDLTILEHIGVDPALFGEIRNPDEPATDAKVVD
 KKWKHLEEIIPWFHAIPDGWPSNIGPGAVDSKTVAVAAATSGAMRVILPSVPEQIPSGLWC
 YRVS RDQCI VGGALNDVGRAVTLERTIIKPENLDEVLI REPLEGTPAVLPFFSGERSIG
 WAASAQATITNIQEQTGPEHLWRGVFEALALSYQRVWEHMGKAGAAPERVIASGRVSTDH
 PEFLAMLSDALDTPVIPLEMKRATLRGTALIVLEQLEPGGTRATPPFGTTHQPRFAHHYS
 KARELFDALYKLKLV

>RXN01130 TRANSLATE of: rxn01130.seq check: 121 from: 1 to: 603
 MDLARKLGLLAGKLVDAAVPSIEVEARGELSSSEQVNALGLSAVRGLFSGIIEESVTFVNA
 PRIAEERGLDISVKTNSSESVTHRSVLQVKVITGSGASATVVGALTGLERVEKITRINGRG
 LDLRAEGLNLFLOYTDAPGALGTGTVGTLGAAGINIEAAALTQAEKGDGAVLILRVESAVS
 EELEAEINAELEGATSFQVDLD

>RXN01143 TRANSLATE of: rxn01143.seq check: 3222 from: 1 to: 1119
 IPVVTTLMALGTFFPESHELHMGMPGMHGTVSAVGALQRSDDLIAIGSRFDDRVTDGVDTF
 APDAKIIHADIDPAEIGKIKQVEVPIVGDAEVLARLLETTKASKAETEDISEWVDYLKG
 LKARFPGRGYDEQPGDLLAPQFVIETLSKEVGPDIAICYAGVGQHQMWAAQFVDFEKPRTWL
 NSGGLGTMGYAVPAALGAKAGAPDKEVWAIIDGDCFCQMTNQELTTAAVEGFPIKIALINN
 GKPGAWVRQWQTLFYEGRYSNTKLNRNQGEYMPDFVTLSEGLGCVAIRVTKAEVLPPIQK
 AREINDRPVVIDFIVGEDAQVWPMVSAGSSNSDIQYALGLRPFDFDGDESAAEDPADIHEA
 VSDIDAAVESTEAS

>RXN01144 TRANSLATE of: rxn01144.seq check: 6367 from: 1 to: 516
 MANS DVTRHILSVLVQDVGDIISRVSGMFTTRAFNLVFLVSAKTETHGINRITVVVDADE
 LNIEQITKQLNKLI PVLKVVRLEETTIARAIMLVKVSADSTNR PQIVDAANIFRFRVVD
 VAPDSVVIESTGTGPKLRALLDVMEPF GIRELIQSGQIALNRGPKTMAPAKI

>RXN01146 TRANSLATE of: rxn01146.seq check: 6296 from: 1 to: 693
 MTGAKAIVRSLEELNADIVFGIPGGAVLPVYDPLYSS TKVRHVLVRHEQGAGHAATGYAQ
 VTGRVGVCIATSGPGATNLVTP IADANLDSVPMVAITGQVSGLLGTDADFQADIRGITM
 PVTKHNFMVTNPNDIPQALAEAFHLAITGRPGPVLDIPKDVQNAELDFVWPPKIDLPGY
 RPVSTPHARQIEQAVKLIGEAKKPVLYVGGGVIKADAHEELRAFAEYTGIP

>RXN01175 TRANSLATE of: rxn01175.seq check: 3032 from: 1 to: 1386
 VSWTVDIPKEVLPDLPLPEGMQQQFEDTISRDAKQOPTWDRAQAENVRKILESVPPIV
 APEVLELQKQLADVANGKAFLQGGDCAET FESNTEPHIRANVKTLQMAVVLTYGASTP
 VIKMARIAGQYAKPRSSDL DGNGLPNYRGDIVNGVEATPEARRHDPARMIRAYANASAM
 NLVRALTSSGTADLYRLSEWNREFVANS PAGARYEALAREIDSGLR FMEACGVSDESLRA
 ADIYCSHEALLVDYERSMLRLATDEEGNEELYDL SAHQLWIGERTRGMDDFHVNFSMIS
 NPIGIKICPGITPEEAVAYADKLDPNFEPGRLTIVARMGHDKVRSVLP GVIQAVEASGHK
 VIWQSDPMHGNTFTASNGYKTRHFDKVIDEVQGF FEVHRALGTHPGGIHIEFTGEDVTEC
 LGGAEDITD VDLPGRYESACDPR LNTQQSLELAFLVAEMLRN

>RXN01193 TRANSLATE of: rxn01193.seq check: 6139 from: 1 to: 1449
 MTTALEEQNAQQAATAGRVVRVIGAVVDVEFP RGE L PALYNALTVEVTLESVKKTVVLEV
 AQHLGDNLIRTIAMAPTDGLVRGA AVTDTARPISVPVGDVVKGHVFNALGDCLDDVSLNN
 NPEIERWGIHREPPSFDQLE GKTEILETG I KVIDLLTPYVKGGKIGLFGGAGVGKTVLIQ
 EMITRIAREFSGTSVFAGVGERTREGTDLFLEMEEMGV LQDTALVFGQMDEPPGVMGRVA
 LSGLTMAEYFRDQVQDVL LFDNI FRFTQAGSEVSTLLGRMP SAVGYQPTLADEMGV LQ
 ERITSTKGRSITSLQAVYVPADDYTD PAPATTF AHL DATTELD RSIASKGIYPAVNPLTS
 TSRILEPAIVGERHYEVSQRVIGILQKNKELQDI IAILGMDELSEEDKITVARARRIERF
 LGQNFFVAEKFTGLPGSYVPLTDTVD AFERICNGDFDHYPEQAFNGLGGLDDVEAAYKKL
 TGK

>RXN01204 TRANSLATE of: rxn01204.seq check: 374 from: 1 to: 810
 MKGEFHAPDL DKEFFPGHVTD SGEVVNMLFTDFANGWFAMDRIVLIRLLMTAVVVVFFLW

AMRKPKLVPHGVQNFAEYALDFVGIHIAEDILGKKKGRRFLPILATIFFAALLMNLATII
 PGLNISSNSRIAFFPIVMAVAGYIAFIYAGSKRYGFFKYVKSSVVI PNIPPALHVLVPIE
 FFSTFILRPVTLALRLMANFLAGHIILVLLFSATNFFFFQFNGWTAMSGVTILMAVLFTV
 YEIIIVIFLQAYIFALLVAVYIELSLHADSH

>RXN01225 TRANSLATE of: rxn01225.seq check: 1629 from: 1 to: 1440
 MTHNHKDWNDRIAIAEEMVPLIGRLHRNNNVVSVFGRLLVNVSDIDIKSHRYARHIIS
 KELPLESSLDILRELVDMLGTASIDLGQLAYSFEESESTDLRAFLEDALAPVIGAETDI
 NPTDIVLYGFGGRIGRLRLARILVSREALYDGARLRAIVVRKNGEEDLVKRASLLRRDSVHG
 GFDGTITTDYDNIIWANGTPIKVIYSNDPATIDYTEYGINDAVVVDNTGRWRDREGLSQ
 HLKSKGVAKVVLTA PGKGDKNIVYGINHTDITADDQIVSAASCTTNAITPVLKVINDRY
 GVEFGHVETVHSFTNDQNLIDNFHKGSRRGRAAGLNMVLTETGAAKAVSKALPELEGKLT
 GN AIRVPTPDVSM AVLNLTLNTEVDRDEVNEFLRRVSLHSDLRQQIDWIRSPEVVSTDFV
 GTTHAGIVDGLATIATGRHLVLYVWYDNEFGYSNQVIRIVEEIIAGVRPRVYPERRQPAVL

>RXN01312 TRANSLATE of: rxn01312.seq check: 2455 from: 1 to: 2019
 MSTHSETTRPEFIHPVSVLPEVSAGTVLDAAEPAGVPTKDMWEYQKDHMNLVSPLNRRKF
 RVLVVGTLGSGGAAAAALGELGYDVKAFTYHDAPRRASIAAQGGVNSARGKKVDNDGAY
 RHVKD TVKGGDYRGRESDCWRLAVESVRVIDHMNAIGAPFAREYGGALATRSFGGVQVSR
 TYYTRGQTGQQLQFSTASALQRQIHLGSVEIFTHNEMVDVIVTERNGEKRCEGLIMRNLI
 TGELTAHTGHAVILATGGYGNVYHMSLAKNSNASAIMRAYEAGAYFASPSFIQFHTGL
 PVNSTWQSKTILMSESLRNDGRIWSPKEPNDRDPNTIPEDERDYFLERRYPAFGNLVPR
 DVASRAISQQINAGLGVGPLNNAAYLDFRATERLGQDTIRERYSNLFTMYEEAIGEDPY
 SSPMRIAPTCHFTMGGWLTFNEMTSLPGLFCAGEASWTYHGANRLGANSLLSASVDGWF
 TLPFTIPNYLGPLLGSERLSEDAPEAAIAARAQARIDRLMGNRPEWVGDNVHGPEYYHR
 QLGDI LYFSCGVSRNVEDLQDGINKIRALRDDFWKNMRITGSTDEMNOVLEYAARVADYI
 DLGELMCVDALDRDESCGAHFRDDHLSEDGEAQRDDQNWCFVSAWEFGENGTFVCHAEPL
 FFESVPLQTRNYK

>RXN01332 TRANSLATE of: rxn01332.seq check: 4448 from: 1 to: 576
 HISAIIEPDAAAAAEDAPGAQAFTRIEDAIAADAVDAVLIAPVPGQFHEPVLVPALEA
 GLPILCEKPLTPDSESSLRIVELEQKLDKPHIQVGFMRRFDP EYNNLRKLVESGEAGELL
 MLRGLHRNPSVGESYTSMLITDSVVHEFDVIPWLAGSRVVSVEVKYPKTSSLAHSGLKE
 PILVIMELENG

>RXN01340 TRANSLATE of: rxn01340.seq check: 5971 from: 1 to: 858
 KVGEIIASVFDFTNIPQGLVSIITTRDAELSAELMADPRLAKVTFTGSTNVGRILVRQS
 ADRLLR TSMELGGNAAFVIDEAADLDEAVSGAIAAKLRNAGQVCIAANRFLVHESRAAEF
 TSKLATAMQNTPIGPVISARQRDRIAALVDEAITD GARLIIGGEVPDGS GFFYPATILAD
 VPAQSRIVHEEIIFGPVAT IATFTDLAEGVAQANSTEFGLAAYGFSNNVKATQYMAEHLEA
 GMVGINRGAISDPAAPFGGIGQSGFGREGGTGEGIEEYLSVRYLALP

>RXN01365 TRANSLATE of: rxn01365.seq check: 6665 from: 1 to: 1374
 MRTRESVTAVIKAYDVRGVVGVDDIDADFISSETGAAGFRLMRSEGETTVAIGHDMRDSSPE
 LAKAFADGVTAQGLDVVHLGLTSTDELYFASGTLKCAGAMFTASHNPAEYNGIKLCRAGA
 RPVGQDSGLANIIDDLVEGVPAFDGESGSVSEQDLLSAYA EYLNELVDLKNIRPMKVAVD
 AANGMGGFTVPEVFKGLPLDVAPLYFELDGNFPNHEANPLEPANLVDLQKFTVETGSDIG
 LAFDGDADRCFVVDEKGQPVSPSAICAIVAERYLEKLPGSTIIHNLITSKAVPEVIAENG
 GTAVRTRVGHSFIKAKMAETGAAGGGEHSAHYFTEFFNADSGILAAMHVLAALGSQDQP
 LSEMMARYNRYVASGELNSRLANAEAAQQERTQAVLDAFADRTESVDTLDGVTVELKDTSA
 WFNVRASNTPELLRLNVEAASKEEVDALVAEILGIIRA

>RXN01369 TRANSLATE of: rxn01369.seq check: 8434 from: 1 to: 1182
 MELLEGSLRTYPWGSRTLIADLKGEESPSSRPEAEVWFGAHPGSPSTIGGNALNEVIAAN
 PEEALGTRVAEAFENELPFLKILAAGAPLSLQAHPSLEQAREGFARENSAGIDL GAPNR
 NYRDPNHKPELIVALTEFIAMAGFRPLRNTLTIFDALACEPLDRYRSM LTVDNEEESLRA
 LFTTWITIPIGKRHELIDALISNAHTYLEASDRDEDIAFVLSHIIELNEQYPGDVGVLGA
 LLLNFYKLAPGEALYLDAA NLHAYISGLGVEIMANS DNVLRGGLTSKYVDVPELVRLDF
 NSLENARVDVEEDGATTHYPVPINEFQLDRVAVQGEAEANHDGPMIVLCTSGTVSLEAGE
 KTL EVAAGHAAWVPANDPTIAMRSEDAEVFLARV

>RXN01376 TRANSLATE of: rxn01376.seq check: 9104 from: 1 to: 861
 VTYSPPGKYLASFLDSLPGATSRDTHVVMADNGSVDPVPEQAAASRSNVEFLSTGGNGLYG
 TAINIAARSLRARREAGEIDGEEFLVSNPDVVFDEDSIDQILLECAKRHPEAGAVGPLIRE
 ADGSAYPSARAVPTLANGIGHALLGAVWKSNPWSAAYRDEEDMDTERTAGWLSGSCLLLR
 WDAFDRVGGFDERYFMYMEDVDLGDRLVRAGFTNVFCPSAQIIHAKGHVAGKNPENMLPA
 HHESAYRFQADRLAKPWQAPIRLALRIGLKLRLAGVAVGVSKMRTKAS

>RXN01406 TRANSLATE of: rxn01406.seq check: 5966 from: 1 to: 1023
 MTIRIGLVGYGVGGRLFHTPYIQASTHCELVGVVARSEGTKAAVAEDLPDVAIVGSLTEL
 LELGVDVAVVISTPPATRRELALEAINAGVAVVADKPFAPSADAMELVEAAEKAGVLLNV
 FHNRRNDTHIVTALGIQEELGAMRGLDLRLDLIEPDSLEAGPEGGLRLDLGSHVVDQTLV
 LMGPATSVTAQLGSIDLPEGPTNARFRIVLEHESGAVSHISASKIDRLESWEIRLVGERG
 SYVSNYTDVQTVAIKQGLRPTNDREHWGYESEERWGTLVTDGSKVIPSAQGDYTRFYDA
 FALAVENGAGPVPAREGVAVLKVLDAVAQSAAEKRTIELS

>RXN01468 TRANSLATE of: rxn01468.seq check: 6994 from: 1 to: 825
 MTVNISYLTDMDGVLIKEGEIIPGADRFLQSLTDNNVEFMVLTNNSIFTPRDLSARLKTS
 GLDIPPERIWTSAATAHFLKSQVKEGTAYVVGESGLTTALHTAGWILTDANPEFVVGLGE
 TRTYSFEAITTAINLILGGARFICTNPDVTGSPSGIIPATGSVAALITAATGAEPYYIG
 KPNPVMMSALNTIGAHSEHTVMIGDRMDTDVKSGLAAGLSTVLVRSGISDDAEIRRYPF
 RPTHVINSIADLADCWDDPFGDGAHFVPDEQQFTD

>RXN01498 TRANSLATE of: rxn01498.seq check: 692 from: 1 to: 1563
 MIKRLPLGPLPKELHQTLLDLTANAQDAKVEVIAPFTGETLGFDFGDEQDVEHAFALS
 RAAQKKVWHTTAVERKKIFLKVHDLVLKNRELLMDIVQLETGKNRASAADEVLDVAITTR
 FYANNAGKFLNDKKRPGALPIITKNTQQYVPKGVVGQITPWNYPITLGVSDAVPALLAGN
 AVVAKPDLATPFSCIMVHLLIEAGLPRDLMQVVTGPGDIVGGAIAAQCDFLMFTGSTAT
 GRILGRTMGERLVGFSaelGKNPLIVAKDADLDKVEAELPQACFSNSGQLCVSTERIYV
 EEDVYEEVIARFSKAAKAMSIGAGFEWKYEMGSLINHAQLDRVSTFVDQAKAAGATVLCG.
 GKSRPDIGPFFYEPTVLADVPEGTPLLTEEVFPGPVVFIKVVATLEEAVDKANGTPYGLNA
 SVFGSSETGNLVAGQLEAGGIGINDGYAATWASVSTPLGGMKQSGGLGHRHGAEGITKYAE
 IRNIAEQRWMSMRGPAKMPRKVYSDTVATALKLGKIFKVLP

>RXN01550 TRANSLATE of: rxn01550.seq check: 138 from: 1 to: 1512
 VQLNDTHPVLAIPELMRLMDEHDMGWEESSWAIVFKTFAYTNHTVLTEALEQWQQIFQQ
 LFWRVWEIITEIDRRFRLEAADGLDEETIDRMAPIQHGTVMMAWIAACYAAYSINGVAAL
 HTEIIKAETLADWYALWPEKFNNKTNGVTPRRWLRMINPGLSDLLTRLGSDDWVTDLDE
 LKKLRSYADDKSVLEELRAIKAANKQDFAEWILERQGIEIDPESIFDVQIKRLHEYKRQL
 MNALYVLDLYFRIKEDGLTDIPARTVIFGAKAAPGYVRAKAIKILNSIADLVNNDPEVS
 PLLKVVFVENYNVSPAHEILPASDVSEQISTAGKEASGTSNMKFMNGALTGLTMDGANV
 EIVDSVGEENAYIFGARVEELPALRESYEPYELYETVPGLKRALDALDNGTLNDNNSGLF
 YDLKHSILHGYGKDASDTYYVLGDFADYRETRDRMAADYASDPLGWARMWINICESGRF
 SSDRTIRDYATEIWKLEPTPAVKK

>RXN01554 TRANSLATE of: rxn01554.seq check: 7857 from: 1 to: 2142
 LKKHVTSAVTAVVTAFAALGLSIAVSPAQAQVANPAPDLSAPYTWVEEFDSEDALKGW
 NIFRQPDYGSQDKVLYTEDALSIEDGKLTITTQRHCVDEDFAIISDPVNRGKLNDSQAQVEP
 CAPGQFEKFTSARIVTPKIARGEFDLSVTATLNTGGVEGVRSIAIWMQNGEQACSSATNNG
 LYGELDLVEHFSYDLRSPWSPSNTHLGDPESVNGTNRAPRELKLDLDES LDGVEHTWTVST
 TRDGVEYFIDDEAINRQSWRNDVTLGHAIEIDDFGISAQTFDEIVDREWTLTLNQKVESAD
 WAKPRSSEEDFPVRSMVIDRIEVTGSPAVSEDTMPDPTTQLLTQDTLEYLGRMPVLERYE
 PASADFADGRPSWNYFNLKESWQNPELEQRPEAVEFVDGRMDIVTRRHCLATTDIATP
 ENAQEPCAPGEVTRYSSARVHLPEIPAGNFRLTVRARAQSEELVDGVRPAIWMQNNTNF
 CADNDGRPYGELDITEFYSSRVNTQYSAVHLGCAGNRPEMKLRQMEMEESMFGDWHHDWGV
 EVFDGQIVFTIDGKAVTSSGKDVFGNSVTPAAAPLRPAHFKLSEEEYREVIGQPWHLILN
 TMVEQSGKDSWITAVDNNEAFPEHRFQIDHVAVDIESDSVDNVWPDAAANEIPDNVGIEDS
 DDGSDLEVGSSTGSAETVSWISLFTALSSLVFTLALNQEALQNLINQFMQRQFK

>RXN01562 TRANSLATE of: rxn01562.seq check: 4942 from: 1 to: 1908
 MGILNSISTPADLKALNDEDLDALAKEIRTFVLVDKVAATGGHLGPNLGVVELTIGLHRVF
 DSPQDPPIIFDTSHQSYVHKILTGRAKDFDSLRLQKDGLSGYTCRAESEHWDTESSHASAAAL
 SYADGLSKAKQLDGDTHSVVAVVGDGALTGGMCWEALNNIAAGKDRKVVVVVNDNGRSY
 SPTIGGFAENLAGLRMQPFYDRFMEKGKTSLSKSMGWVGERTFEALHAFKEGVKSTVIPT
 MFPELGMKYVGPVDGHNQKAVDNALKYAHDYDGPIIVHVMVTEKGRGYAPAEQDLDELMS
 TGVIDPLTGAPKSASKPGWTSVFSDELVKIGAQNENNVVAITAAMAGPTGLSKFEANFPNR
 FFDVGIAEQHAVTSAAGLALGGKHPVVAIYSTFLNRAFDQLLMDVGMNLNQPVTLLVDRSG
 VTGSDGASHNGVWDMALTSIVPGVQVAAPRDEDSLRELLNEAISIDDGPTVVRFPKGDLP
 TPIVAIDTLEDGVDVLAYEDATDVESTDDAPSVLIIAVGERATVALDVASRIKQHGWNVT
 VVDPRWIVPIQSLVALSDDHDLVITIEDGVIHGGVGSLLSDALNASEVDTPRRQIAVPQ
 KYLDHASRNEVLADYGLDADGIETTVVGWLDLSLFE

>RXN01569 TRANSLATE of: rxn01569.seq check: 9598 from: 1 to: 1359
 MEYKQLTSHTTDIEGLLVFDFPVHGDNRGWFKENWQRTKMTNLGLPDFGVQNNMSFNA
 TAGTTRGMHAEPWDKFEVSVAVGSVFGAWVDLRAGSSTYGNVVTOKITPDVGVIYVPRGVAN
 GFQALEDGTLYTYLVNDHWSPPAHYANVNLNMIDWPLPITEISEKDKKHPALIDATPLPA
 RKVLVVGAGGQLGTALRAQFPDAEFVTRQELDITSDLTEARAWKQYSTIINAAAYTAVDQ
 AEHDRAAAWDINAAVANLATIARDNNLTLVHVSSDYVFDGAAESYDENAPFSPLGVYGO
 SKAAGDIGDTTAPRHYIVRTSWVIGDGNFVVRTMKSLLDERGIAPSVVDDQIGRLSFTEDI
 AAGIAHLLEVGAAYGTYNLTNTGEPASWADVARAVFSDPKVTGVSTAEYFANKDAAPRP
 LNSVLDLGKIEATGFSAPTWQTRLNDYLKELSK

>RXN01580 TRANSLATE of: rxn01580.seq check: 9660 from: 1 to: 717
 MYKNMHIVAHGAEDLHLENTMTAFQAAAPADAFELDIHATADNQVVVIHDRTAARVAAP
 DSLHRDTPVARLSAAQIKEITLIDGSPVPTLEEVLQTSPLPIQVEIKSAGAVFAAAALLQ
 KYPEHLERLLFISFIDAALVEIVDRLEFARVGIIRDASMDDLRILDYIPLKNVGAILPSW
 KALNVASIADLHTKGIKVGCWTIRDENAFGIAQQAGVDYATVSDPSRFLAPSPAGELHW

>RXN01593 TRANSLATE of: rxn01593.seq check: 9774 from: 1 to: 867
 MYVTNNASRAPEVVAQRLREIGLADTTADNVMTSAQAACKMAAEKIPAGSKVYVLGSESE
 RELATEAGFVVVDSADDPKPAVLHGHNPETGWAQLSEALSINAGAQQYFASNLDSLTPME
 RGRHIGNGSMVAAVVNATGVKPLSAGKPGPAMFYAGAETLNSSKPLAVGDRLDTDIAGGN
 AAGMDTFQVLTGVSGYYDLVRAIPRAAPHLYRHLDAGSLQSRGQAQRCGRFFSAYRRR
 HPGHFRRRCRRNSGCSSTPHCVGCGLGHRVTEVRADSEVAATALQSWW

>RXN01630 TRANSLATE of: rxn01630.seq check: 5194 from: 1 to: 1077
 MSDQKIVVGLLGITHPHASARVRALREIDGVEVVAAADTDSRLQYFTDKYDVEPREIDDV
 LNDDRINAIMVHSSKSKDMVPHAKRALAAGKSVVVEKPGGGTVADLEELLALKEAADPQRI
 VQVGYNVRLSESQRLKELLDAGLIGEVVSVQARGAAKVGEHTEHLNQPADMGGVLWIL
 GCHMLDALVEVFGAPESVNARVHKTAKLSDDTSREDSASALLYPPDFSVSFSFDGHDDLE
 WFESSRLTVYGTGKMIEAGILPQTLRVYLNESRQGWPGWTEWTQSYFTPPFARTESNKF
 SELPELENISNFRTEMQGWVNSIRTGSRNVAPVEDALTVARIVSACYESDNNQGISVNI

>RXN01631 TRANSLATE of: rxn01631.seq check: 4404 from: 1 to: 879
 MKPQLIASCWTSAGDAAPDRDDLSSPVAIDERIALVAETGWAGIGLVHADLIKARDTIGY
 EELRRRIHAAGIEIEVEFLNGWWATGAERQESDAVRADLFAAAQALGSPHIKVGAGEGT
 NGVVPIAHMASAFTDLAAEAHGVKLALAEATPFSLKTIYDALEVVSCHSDSPSAGLMVD
 IWHTAKIGIPNDELWRNIPLSKVNAVEVDGFIIDPIDLFDSTNRRAYCGEGEFDPAF
 IRGAIDAGWTGAYGVEIISAHRSPLVKEGLQRAFDTTIAAFEQAARLAPSTN

>RXN01695 TRANSLATE of: rxn01695.seq check: 9144 from: 1 to: 1500
 MSDSPKNAPRITDEADVVLIGAGIMSSTLGAMLRQLEPSWTQIVFERLDGPAQESSSPWN
 NAGTGHSALCELNYTPEVKGKVEIAKAVGINEKFQVSRQFWSHLVEEGLVSDPKFINPV
 PHVSFGQADQVAYIKARYEALKDHPFLFQGMTYADDEATFTEKLPLMAKGRDFSDPVAIS
 WIDEGTDINYGAQTKQYLDAAEVEGTEIRYGHEVKSIAKADGAKWIVTVKNVHTGDTKTIK

ANFVFVGAGGYALDLLRSAGIPQVKGFAGFPVSGLWLRCTNEELIEQHAAKVYGKASVGA
PPMSVPHLDTRVIEGEKGLLFGPYGGWTPKFLKEGSYLDLFSIRPDNIPSYLGVAQEF
DLTKYLVTEVLKDQDKRMDALREYMPEAQNGDWETIVAGQRVQVIKPAFGPKFGSLEFGT
TLINNSEGTIAGLLGASPGASIAPSAMIELLERCFGDRMIEWGDKLKDMPISYGKKLASE
PALFEQQWARTQKTLKLEEA

>RXN01744 TRANSLATE of: rxn01744.seq check: 8546 from: 1 to: 1539
VDVVDIARWQFGITTVYHFIFVPLTIGLAPLVAIMQTFWQVTGKEHWYRATRFFGTVLLI
NFAVG VATGIVQEFQFGMNWSEYSRFGVDVFGGPLALEGLIAFFLESVFLGLWIFGWGKI
PGWLHTASIWIVAIATNISAYFIIIVANSFMQHPVGAEYNPETGRAELTDFWALLTNSTAL
AAFPHAVAGGFLTAGTFVLGISGWWIIRAHROAKKAESEIESKHSMPALWVGWWTTVV
SSVALFITGDIQAKLMFVQQPMKMASAESLCETATDPNFSILTIGTHNNCDTVTHLIDVP
FVLPLAEGKFTGVTLQGVNQLQAAEQAYGPGNYSNLFVITYWSFRAMIGLMLGSLAIA
AIAWLLLRKKRTPTKIARLFQIGSLIAIPFPFLANSAGWIFTEMGRQPWVHPNPESAG
DARTEMIRMTVDMGVSDHAPWQVWLTIGFTILYLILFVWVWLIRRAVLIGPPEEGAPS
VEAKTG PATPIGSDMPMTPLQFTAAAPTGEKE

>RXN01752 TRANSLATE of: rxn01752.seq check: 3364 from: 1 to: 1461
MMEQDLSYREILPLNASEEKKKAALIDAIEGLRVRDPLLSASIAFTRGQKVAFIAVVVGF
ILMLIFARQAALIGLSATCTFMYLITLLDRFIMFSRGIRAESIIQVSDDEDALAFPEDKLK
TYTVLVPAYGEPEVIAQLLASHMAFDYPKHLQVLLMLEEDDLPTIAAAEAAGVDQVATI
IKVPPAQPRTPKACNYGLHFATGEIVTIFDAEDMPDPLQLRRVVVAFERSASNTVCVQS
RLSYRNARQNLLTAWFTIEYDVWFNLLPGVMRMNAPVPLGGTSNHLLTGVLKDLGAWDP
FNV TENADLGVP IAAKGYSTAVLDSVTWEEANS DTINWLRQSRWYKGYLQTLWLVYMRP
KWL VQELGIIPAVRFTFLMAGTPIIAVLNLLFWYLSLTWILGQPGTIEQMFP PAVVYPAL
VCLLVANAATIFMNLIGCREGRDPLLLIAVLTFPLYWLMISIAALKGTWQLITRPSYWEK
TAHGLEA

>RXN01884 TRANSLATE of: rxn01884.seq check: 9417 from: 1 to: 1890
VTAIELMPVHQFLQDDRLRDLGMRNYWGYNSFGFFAPYNDYAANKNPGGAVAEFKGLVRS
YHEAGLEVILDVYVNH TAEGNHMGPTIAFRGIDNEAYRLVEGDRRH YMDYTGTGNSLNV
RDPHSLQLIMDSLRYWVTEMHVDGFRFDLASTLAREFDDVDRLATFFDLVQQDPVVSQVK
LIAEPWDVGE GGYQVGNFPPLWTEWNGKYRDTVRDFWRGEPATLGEFASRLTGSSDLYAN
NGRRPTASINFVTAHDGFTLNDLVSYNKHN MANGEDGRDGESHNRSWNCGVEGPTDDPE
IMQLRAQQRRNFLTLLLSQGT PMLSHGDEMARTQNGNNVYCDN ELAWNVWDQAEENA
DIVSFTRRLLRIRANHPVFRRRQFLAGGPLGADVRDRDIAWLVPNGTLMTQDDWDFAFGK
SLQVFFNGDAIEEPDYRGQKI HDDS FILMFNAHFEPIDFNLPPEHFGMKWKLLVDTTEAV
GHPLEDLTIEAGGTITV PARSTM L LRQVEAPDYTKLEEKIAAEKREQELAAEKEAAEKRE
LELAAAKEAEDA AEALHLAAERASTQEAELAHQHGADAIAD E VAEEPQELPQDEVA AEVE
TEPDTEPD TESDSEQA EVASEEPEADEEEK

>RXN01891 TRANSLATE of: rxn01891.seq check: 8435 from: 1 to: 864
GGHYGLPFARSTVLFYYNKDLWAKAGLED RGPESWEEFSEWGPKLQEAMDSGFAHWGDA
TNYLSWTFEGPMWSLGGNYSEGWESRLTTPETIRAVEWLKSTVDEGFATVSTDVTNEFAT
GLIGSCIQSTGDLSSVAGAASF DWGVAALPNPTGEGACPTGGAGLGIPSGISEQRQDNAL
KFIDFLTNAANTGYWSRETGYVPVRKDAASDPDHA AFLEENPAYNVAVEQLPDTRSQDNF
RVLLPNGDR TIGDALEKICLTGADIDVTLAEVETKLNTIYTRDIEPLI

>RXN01895 TRANSLATE of: rxn01895.seq check: 607 from: 1 to: 951
MSVNPTREPGRRHHVVVIGSGFGGLFAAKNLAKADVDVT LIDRTNHHLFQPLLYQVATGI
LSSGEIAPSTRQILGSQENVNVIKGEVTDINAVESQTVTASLGEFTRVFEYDSL VVGAGAG
QSYFGNDHFAEFAPGMSIDDALEIRARIIGAFERA EICEDPAERERLLTFV VVGAGPTG
VELAGQLAEMAHR TLAG EYKNFNTNSAKIILLDGAPQVLPFFGKRLGRNAQRTLEKMGVN
VRLNAMVTNVDATSVTYKTKDGEEHTIESFCKIWSAGVAASPLGKLVAEQTG VETDRAGR
VMVNDDL SVGDQKNV FV

>RXN01927 TRANSLATE of: rxn01927.seq check: 8048 from: 1 to: 1380
MALVLGIDSSTQSCKALLVDAATGQVIDEGRASHPSGSEVDPRAWIAALDQATEGLLERA
DAVSIAGQQHGMVALDENDEIVRPALLWNDTRSAQAALDLN EEIGGDQAAVDATGSVYVA
SLTATKMRWMRDHEPENARTASVMLPHDFLTWHLMGRGRKVTDHGDASGTGY YSTRDRA

WRTDLAALALGHEVELPELLAPNAIAGTTPGGVKVAAGTGDNAAAAALGLDLQPGDVSVSI
GTSGVAGMTVQHSVHDPSTGLTGFADATGAYFPLACTLNGAPVLEFGRRILGVEWEEFDA
LALAAQPGSGGVTLQPYLEGERTPNRPAARGVLAGLNCATTREDFARATVEGLLLALDDA
VTALVEATGVPVQRIQLIGGGARSQAVREIAPEIFGHEIVVPEPAEYVALGAARQAALWAL
SGEATPPQWPTPGSDPHRAPKNTTELSTRYAKLRAATQGWY

>RXN01952 TRANSLATE of: rxn01952.seq check: 6335 from: 1 to: 1713
MTQPGQTTTTSHEAIDAFKRIVGDEHVLTSERATMPFSKGYRFGGPPVFAVVRPGTLVEM
WRALQVSDNNLIVIPQASNTGLTGGSGPGFQDYDRPIVISTHRIDEVHLINDAREAIS
LAGTPLTHLTDALAKHQREPHSVIGSTSIGASVIGGIANNSSGGSQIRKGPFTREAI FAR
VNDDGKVELVNLHGLISLGDDPEVALDRLQGEWSPEDVTPAPEDSNETEYAEHLRKIVPS
PARYNANPEYLFASGSAGKLMVFAVRTRTFPREVHPTVIFYIGTNNTHELEEIRRLFLEA
DMPLPISGEYMGRSAFDLAKEYGKDTFVFLKFMSPALQTRMFSFKTWANGLFSKIPGIGP
TFADTVSQAMFSVLPNQLPKRMMEYRNRFEHLLLTVSESQKAASEKMLKEFFAEPEHTG
EFFICTSDEEKASASLNRFGAASAATRYAALKRRHIAGLIPIDVALRRDDWNWLEVLPEEI
DDQLEVKAYYGHFFCHVMHQDYVAKQGVLDLEALHDRIQHLLLEERGAKLPAEHNYGRMYKL
PESMEEHFKELDPTNTFNAGIGGTSPhKdWA

>RXN02036 TRANSLATE of: rxn02036.seq check: 338 from: 1 to: 381
VHIPFGHLADTVSWDCGGGSCATNDLVSLFMPAAFMSTLAACVFGAWAIGLIAPALFIAV
TAWAFRSGVQAAIADGYTSATSVGFEMTVSLILFIIAGLCFLGWIPMFNNRQVARKVRE
RAAGLSN

>RXN02046 TRANSLATE of: rxn02046.seq check: 7831 from: 1 to: 417
MKETLTTLTGLTHQMTYIVPANRTVPHLLPEAAEFETMPDVLATGYMVGIIIEWACMELLRPH
LDDGEISLGLTHVNFSHAAPTVPGSTVTIDVEVTEINRRAVTFNITAADDEFATISTGTHQR
GVVNREKFVSRLEAPKEN

>RXN02100 TRANSLATE of: rxn02100.seq check: 3527 from: 1 to: 2325
LGRINAEQNLSEYLSDKLWYQDTADATDAVGDPVLAIFYSMFEGIHPSLPIYSGGLGVLA
GENMKSASDLGVPLIGVGLLYTHGYFTQSLSGDGWQQEYKYHDPALPIEAVKDKNGEQ
VTVSVTYPGAQEVKIALWVANVGRIPLILLDTNIEANPEELRNVTDRLYGGDNEHRIKQE
LVLGVGVRVAVNAFCEARGLKRSSVAHLNEGHAFTLERIRERIAEGMEYPAAFEQVRA
SNIFTTHTPVPAGIDRFDMEMVRRYLGGGQPEDQQLCVGVPIEKALELGQESDPHRFNMA
HMGIRASQHANGVAKLHGEVSRDMFAGLYPGYEPREVPIGHVTNGVHLPTWVKPEMKELI
DRVTGGADLAVADSWSNPQAVESEKIWKVRNKFRA DLVEVARAATAKSWSHRGHTEAELA
WTSRVLDPNVLTIGFARRVSTYKRLTLMRLNPERLRSILLNEERPQFVIAGKAHPHDMG
GKKLMQEI VHFADQAGVRDRFLFLPDYDINLASYLISGADVWLNPNVRPQEASGTSGMKA
VMNGGLTSLISDGGWDEMPKETTGWTIPTVESQDLECRDHLESQALYDLLENEVAPLFYK
RDKNIGIPQDWLDLVRESWTLS PMVTSTRMVRDYTTQYYRPTKHQAE LIAQPAEADYAA
WLEHIKAEWAGVKVSDLKISESAITAQELEVSVRVDSGSLNDDFQAQALFGALGHNGDI
EDPEITVLTTPRGDGAYAAKVSTDLPGNYGITARVVPNNRMLVSPAETRLITYLEN

>RXN02125 TRANSLATE of: rxn02125.seq check: 5612 from: 1 to: 801
MVATSQFIDDSEAAQAVRAAIVAGYRNIDTALAYGNERGVGEGIRTAGVPREELFISTKL
AAEIKDYDGAVAAIDESLAKIGLDYVDLMLIHSPQPWSDFRGGDYSEGNREAWRALEDAY
KAGKIRSIGVSNFLEADLENILDSATVAPHVNQLLVHVGNTPELISFCDSKGILVEAYS
PIAHGEMLKNNQVKAIAIDKYNVSIPLQLCIRYTIQLGTVSLPKTANPDHMSNAQIDFEIS
EEDMAALQEV TARDYGEHSGFPVYSGK

>RXN02206 TRANSLATE of: rxn02206.seq check: 8771 from: 1 to: 936
MVGSSGLRVSRGLGLTSTWGSGETELAEAGDIFKAFINSGGTLIDVSPNYTTGVAEEMGLT
MLDAEVSRSRAVVISSSAGVNPALPLGRRVDCSRRNLIAQLDVTLRALNTDYLDLWSVGWY
DEGTPPHEVADTLDYAVRTGRVRYAGVRGYSQWQLAVTHAASNHAAASARPVVVAQNEYS
LLERRAEQELLPATQHLGVGFFAGAPLGQGVLTAKYRSEIPHDSRAASTGRDAEVQSYLD
NRGRIIVDALDTAAKGLGISPAVTATTWVRDRPGVTAVIVGARTHEQLSHLLKAESVTLF
TPITQALDDVSL

>RXN02209 TRANSLATE of: rxn02209.seq check: 8467 from: 1 to: 1671
TESTVVPSIAGPKRPQDRILLSEAKEQFRKDLPTYTDDAVSVDTSIPATRMVNEGGGQPE

GGVEADNYNASWAGSGESLATGAEGRPSKPVTVASPQGGEYTI DHGMVAIASITSCTNTS
NPSVMIGAGLIARKAAEGLKSKPWVKTICAPGSQVVDGYYQRADLWKDLEAMGFYLSGF
GCTTCIGNSGPLPEEISAAINEHDLTATAVLSGNRFEGRISPDVKMNYLASPIMVIAYA
IAGTMDFDFFENEALGQDQDGNVFLKDIWPSTEEIEDTIQQAISRELYEADYADVFKGDK
QWQELDVPTGDTFEWDENSTYIRKAPYFDGMPVEPVAVTDIQQARVLAKLGDSVTTDHIS
PASSIKPGTPAAQYLDHGVHRHDYNSLGSRRGNHEVMMRGTFANIRLQNQLVDIAGGYT
RDFTQEGAPQAFIYDASVNYKAAGIPLVVLGGKEYGTGSSRDWAAKGTNLLGIRAVITES
FERIHRSNLIGMGVVPLQFPAGESHESLGLDGTETFDITGLTALNEGETPKTVKVTATKE
NGDVVEFDAICPHRHR

>RXN02213 TRANSLATE of: rxn02213.seq check: 8081 from: 1 to: 774
VTESKNSFNAKSTLEVGDYSYDIFALSAPVPGMEKLPYSLKVLGENLLRTEDGANITNEHI
EAIANWDASSDPSIEIQFTPARVLMQDFTGVPCVVDLATMREAVAALGGDPNDVNPLNPA
EMVIDHSVIVEAFGRPDALAKNVEIEYERNEERYQFLRWGSEFSNFRVVPPTGIVHGV
NIEYLARVVFDNEGLAYPDTCTIGTDSHTTMENGLGILGWGVGGIEAEAAMLGQPVSMILP
RVVGFKLTGEIPVGVAT

>RXN02326 TRANSLATE of: rxn02326.seq check: 550 from: 1 to: 816
MLGRPTKVTPSSKVVGDALHLVAGVDPADFAADPQKYDIPDSVIAFLRGELGNPPGGW
PEPLRTRALEGRSEGKAPLTEVPEEEQAHLDAADSKERRNSLNRLFPKPTTEEFLEHRRR
FGNTSALDDREFFYGLVEGRETLIRLPDVRTPLLVRLDAISEPDDKGMNRNVANVNGQIR
PMRVRDRSVESVTATAEKADSSNKGHVAAPFAGVTVTVAEAGDEVKAGDAVAIEAMKME
ATITASVDGKIDRVVPAATKVEGGDLIVVVS

>RXN02327 TRANSLATE of: rxn02327.seq check: 173 from: 1 to: 960
LLATRVRSFALKPAAEAVAKLTPELLSVEAWGGATYDVAMRFLFEDPWDRLDELREAMPN
VNIQMLJRGRTVGYTPYPDSVCRAVKEAASSGVDFRIFDALNDVSQMRPAIDAVLET
NTAVAEVAMAYSGDLSDPNEKLYTLDYLLKMAEEIVKSGAHILAIDKDMAGLLRPAAVTKL
VTALRREFDLPVHVHTHDTAGGQLATYFAAAQAGADAVDGASGTTVWHHLPSHPLSAIVA
AFAHTRRDTGLSLEAVSDLEPYWEAVRGLYLPFESGTPCPTGRVYRHEIPGGQLSNLRAQ
ATALCLADRFELIEDNYASR

>RXN02328 TRANSLATE of: rxn02328.seq check: 5494 from: 1 to: 1596
VTAITLGGLLKGIITLVSTHTSSTLPFAKKILVANRGEIAVRAAFRAALETGAATVAIYP
REDRGSFHRSEFAEVRIGTEGSPVKAYLDIDEIIGAACKVKADAIYPGYGLSENAQLA
RECAENGITFIGPTPEVLDLTGDKSRAVTAACKAGLPVLAESTPSKNIDEIVKSAEGQTY
PIEVKAVAGGGGRGMRFVASPDELRLKATEASREAEAAFGDGAVYVERAVINPQHIEVQI
LGDHTGEVVHLYERDCSLQRRHQKVVEIAPAQHLDPFLRDRICADAVKFCRSIGYQGAGT
VEFLVDEKGNHVFIEMNPRIQVEHTVTEEVTEVDLVKAQMRLAAGATLKLGLTQDKIKT
HGAALQCRIITTEDPNNGFRPDTGTITAYRSPGGAGVRLDGAAQLGGEITAHFDSMLVKMT
CRGSDFETAVARAQRALAEFTVSGVATNIGFLRALLREEDFTSKRIATGFIADHPLLQA
PPADDEQGRILDYLDVTVNKPVGVRPKDVAAPIDKLPNIKDLPLPRGSRDR

>RXN02333 TRANSLATE of: rxn02333.seq check: 9284 from: 1 to: 915
MNLFSNGVDVGRRRQAFKAALAAPHIARLPGAFFSPLIARSIEEAGFEGVYVSGAVIAADL
ALPDIGLTTLTEVAHRARQIARVTDLGVLVDADTGFGEPMSAARTVAELEDAGVAGCHLE
DQVNPKRCHLDGKEVVRTDVMVRRIAAAVSARRDPNFVICARTDAAGVEGIDAAIERAK
AYLDAGADMIFTEALHSEADFRYFRHAIPDALLANMTEFGKTTLLSADVLEEIGYNAVI
YPVTTLRIAMGQVEQALAEIKEHGTQEGWLDQMQRSLYELLRYEDYNVFDQHI FTYRK
GENNE

>RXN02399 TRANSLATE of: rxn02399.seq check: 7887 from: 1 to: 1344
VVGTAHCESALKEVTLMNSVKGPRTAQEIQDWDNTNPRWNGITRDYTADQVADLQGSVIE
EHTLARRGSEILWDAVTQEGDGYINALGALTGNQAVQVVRAGLKAVYLSGWQVAGDANLS
GHYTPDQSLYPANSVPSVVRINNALLRSDEIARTEGDTSDVNWVPIVADGEAGFGGAL
NVYELQKAMIAAGAAGTHWEDQLASEKKCGHLGGKVLPTQQHIRTLSARLAADVANTP
TVVIARTDAEAATLITSDVDERDQPFITGERTAEGYYHVKNLEPCIRAKSYAPYADMI
WMETGTPDLELAKKFAEGVRSEFPDQLLSYNCSFNSAHLEADEIAKFQKELGAMGFK
FQFITLAGFHSNLNYGMFDLAYGYAREGMTSFVDLQNREFKAAEERGFTAVKHQREVAGY
FDQIATTVDPNSSSTALKGSTEEGQFHN

>RXN02404 TRANSLATE of: rxn02404.seq check: 8768 from: 1 to: 2217
MTEQELLSAQTDNAGTDSTERVDAGGMQVAKVLYDFVTEAVLPRVGVDAEKFWSGFAAI
ARDLTPRNRELLARRDELQMLIDDYHRNNSGTIDQEAYEDFLKEIGYLVEEPEAAEIRTQ
NVDTEISSTAGPQLVVPILNARFALNAANARWGSYLDALYGTNAIPETDGAKEGKEYNPV
RGQKVIEWGREFLDSVPLDGASHADVEKYNITDGKLAHIGDSVYRLKNRESYRGFTGN
FLDPEAILLETNGLHIELQIDPVHPIGKADKTGLKDIVLESATITIMDFEDSVAAVDAED
KTLGYSNWFLNTGELKEEMSKNGRIFTRELNKDRVYIGRNGTELVLHGRSLLFVRNVGH
LMQNPSILIDGEEIFEGIMDAVLTTVCAIPGIAPQNKMRNSRKGSIIYIVKPKQHGPEEVA
FTNELFGRVEDLLDLPRHTLKVGVMDDEERTSVNLDASIMEVADRLAFINTGFDRGTGDE
IHTSMEAGAMVRKADMQTAPWKQAYENNNVDAGIQRGLPGKAQIGKGMWAMTELMAEMLE
KKIGQPREGANTAWVPSPTGATLHATHYHLVDVFKVQDELRAAGRRLSLRNILTISTAPN
TNWSEEEKKEEMDNQCISILGYVVRWVEHGVGCSKVPDIHDIIDLMDRATLRISQMLAN
WIRHDVVSKEQVLESLEMAVVDKQONAGDEAYRDMAPKYDASLAFQAAKDILFEGTKSP
SGYTEPILHARRREFKAKN

>RXN02434 TRANSLATE of: rxn02434.seq check: 219 from: 1 to: 1650
MRTFAAYIAIDGLSFSYPNTHVLSDISLTVANGDIAGLIGENGAGKSTLLSLIAGVMEPD
QGRIYLPERTGFIAQETDLPFEQPVQSLIDAAPVRAVDAAITDLSTKLGDASLSAEEQ
AQVATDFDAALGAAEELGLWELDARIETIVAGLGLAEVDRSTPIGELSGGQRRRFALAAL
LLEPHDALIFDEPTNHLDDTAVDFLISEISRFGKGPVLIASHDRFFLDSVCTELIDLDPAL
GPEGGSGEVVKQAVSFGGGFSEYIKERETRRTWAQLYTAQETEREKLEETTGTTESDIF
HSSVSKSEAKITAKFYADRAAKTQGNRVRSAKNRLKELERYEIPAPPKPLEFQGIPEASG
NGHGETLEVRAIAVENRLQPLTFHIDPGDHILVEGPNGVGKSTLLSVLEGVLEPTEGELI
VPEGLKVARLKQDDQWTEKQLNTPVDELFAALS KGPVGLNLVEMGLLRETSQSSPLRLALS
LGQRRRVSLGLILASPPDLLLDEPTNHLSSLALSEELESAIEKFPGRVILASHDRWIRKR
WTGKKISLSR

>RXN02461 TRANSLATE of: rxn02461.seq check: 9219 from: 1 to: 408.
MRGLIVDYAGVLDGTDDEDQRRWRNLLAAAKKNGVGTVILSNPDGGLGAAPIRELETNGVV
DKVLLSGELGVEKPEEAAFAAADAIDLPMRDCVLVDDSI LNVRGAVEAGLVGVYYQQFD
RAVVEIVGLFGLEGEF

>RXN02480 TRANSLATE of: rxn02480.seq check: 3686 from: 1 to: 1656
MTTDDHKQLGIMYIIMSFSFFFLGGLMALLIRAEFTPGQLQFLSNEQFNQLFTMHGTVML
LLYGTPIVWGFANYVLPLQIGAPDVAFPRLNAGFWITTVGGVAMLTGFLTTPGGAADFGW
TMYSPLSDAIHSPGLGSDMWIVGVGATGIGSVASAINMLTTILCLRAPGMTMFRMPIFTW
NIFVVSVLALLIFPLLLAAALGVLYDRKLGGHLYDPANGGSLWQHLEWFFGHPEVYVLA
LPFFGIVSEIIPVFSRKPMFGYVGLIFATLSIGALSMVWAHMHFVTGAVLLPFFSFMTF
LISVPTGVKFFNWVGTMWKGHITWETPMIWSVGFMATFLFGGLTGIMLASPPDLFHLADS
YFLIAHFHYTLFGTVVFASCAGVYFWFPKMTGRMMDERLGKIHFWLTFVGFHGTFLIQHW
VGNMGMPRRYADYLDSDGFTIYNQISTVFYFLGLSVIPFIWNVFKSWRYGELVTVDPPW
GYGNSLEWATSCPPPRHNFASLPRIRSERPAFELHYPHMIERMRAEAHTGHHDDINAPEL
GTAPALASDSSR

>RXN02554 TRANSLATE of: rxn02554.seq check: 9544 from: 1 to: 624
MSHTKPSIAILGAGRVGSSSLARSABAAGYEVKVAGSGAVDKIALTAIEILMPGAVPSTADQ
AVKDADIVFLAVPLHKFRSVNPATLEGKIVIDTMNHWVPVNGELEEDQDPRSTSEIIAE
FFAGSTMVKSFNHIGYHEIEQDAGTGRAIAYATDDVDAGAQAQLIKSFGFVPLNIGALE
NGRILEPGQEAFGAHLNKDSRLELVNQR

>RXN02556 TRANSLATE of: rxn02556.seq check: 1750 from: 1 to: 1158
LIVSTQPIIDRSALSAEHAIEVIKATLPLVGGKINEITPVFYNMFAAHPELIANTFNRRGN
QKQGDQKALAASIATFATMLVTPDAPDPVQLLSRIGHKHVSLGITADQYDIVHEHLFAA
IQEVLGAETVTAPVAEAWDAVYWIMANVLIGFENNLYASNDLEPGDVFREVTVTAKKQLS
ATVWEYTLAGELVAPEPGQYTSIGVVLDDGARQLRQYSLGGSDEYRIAVEDNGEVSGF
LRDRVSVGDKIEATIAAGDLVLNKDTNPVVLISQIGGSTPMVGMLAGMNPEDVVLHAD
QAESTYAQVEEVQGLVEKLPKAAFEIFYRDNDQWLEVAGRIPSGASVYLCGGVEFLKNVR
EQIEALDEQPRDVNFELFAPNDWLIS

>RXN02560 TRANSLATE of: rxn02560.seq check: 4626 from: 1 to: 867
MQGNSLNLADNSERKKMPSPGELLAARYGQPATWTPPQWNETLDVIHQHRSVRRWLDKP

VDDDTIRTIISAAQSAGTSSNKQVISVIVVKDPELRKGLAGITRQMFPHLEQVPAVLIWL
IDYSRISAVAAREDLPTGALDYLDEAAWGFLDAGIAAQNAIAAESLGLGTLYLGSVRND
AEAVHKLLGLPPEIVPVVGLEMGHADPPEPAGIKPPLPQEAIVHWDITYTEKNLELIDSYD
RALDTYYSTRYQGHQLWSKQTAHRAASKSFSKTNRQFLRGVFERAGFGLR

>RXN02591 TRANSLATE of: rxn02591.seq check: 6816 from: 1 to: 1830
MTTAAIRGLQGEAPTCKNKELLNWIADAVELFQPEAVVFDGSAEWDRMAEDLVEAGTLI
KLNEEKRPNSYLARSNPDSVARVESRTFICSEKEEDAGPTNNWAPPQAMKDEMSKHYAGS
MKGRTRYVVPFCMGPISDPDPKLGVLTDSEYVVMMSMRIMTRMGIEALDKIGANGSFVRC
LHSVGALEPGQEDVAWPCNDTKYITQFPETKEIWSYSGSYGGNAILAKKCYALRIASVM
AREEGWMAEHMLILKLINPEGKAYHIAAFPSACGKTNLAMITPTIPGWTAAQVVGDDIAW
LKLREDGLYAVNPENGFFGVAPGTNYASNPIAMKTMEPGNTLFTNVALTDDGDIWEGMD
GDAPAHLLIDWGMNDWTPESDENAAHPNSRYCVAIDQSPAAAFENWEGVKIDAILFGGR
RADTVPLVTQTYDWEHGTVMVGALLASGQTAASAEAKVGTLRHDPAMLPFIGYNAGEYLQ
NWIDMGNKGGDKMPSIFLVNWFRGEDGRFLWPGFGDNSRVLKWVIDRIEGHVGADETUV
GHTAKAEDLDLDGLDTPIEDVKEALTAPAEQWANDVEDNAEYLTFLGPRVPAEVHSQFDA
LKARISAAHA

>RXN02596 TRANSLATE of: rxn02596.seq check: 6451 from: 1 to: 1203
MTESKNYDLIVVGSGLFGLTVAERAASQLGKKVLIVERRSHLGGNAYSEAPETGIEIHK
YGAHLFHTSNTRVWEYVNOFTSFTGYQHRVFAMHNGTAYQFPMGLGLINQFFGKYSPDE
ARELIKEQSAEIDSSDATNLEEKAISLIGRPLYEAFIRDYAKQWQTDPKNLPAGNITRL
PVRYNFNNRYFNDTYEGLPTDGYAAWLEKMAEHELIDVRLDWDVDRDDLRSNPDAV
VYTGPLDLYFNAYEGKLGWRTLDFFETEVVETGDFQGTVMNYNDADVPTRIHEFRHFHP
ERDDSYPKDKTIVIMREFSRFADNEDEPPYPINTPDDRDMLKQYRLLAEEAANNKVLFGG
RLGTYQYLDHMAIGSALSMTDNKLVPFEEGTPLEQERGH

>RXN02654 TRANSLATE of: rxn02654.seq check: 5233 from: 1 to: 885
MISLLNDPRTLFPKVDPPKQSQPEPGLDIKLSQADIGLSSYQGSRLKGRKALITGGDS
GIGAATAIAYAREGADVAIAYLPEEQADADRVLQAIETGQKAFSFPGLRDPYCRSLV
QETVNALGGLDILVNNASRQVWAPGLTEITDENFDQTLQVNLYGSFRVTAAI PHLKPGS
SIIFTSSIQAYQPSSETLLDYAMTKAALNNLSKGLASSLIGDGIRVNSVAPGPFWTPLQPS
HGQPEQEKIEGFGQHAPIGRAGHPVELAGAYVFLASDEASYVVGETLGVGTGTPPT

>RXN02674 TRANSLATE of: rxn02674.seq check: 2941 from: 1 to: 1452
VTATFAGIDATKHLIGGQWVEGNSDRISTNINPYDDSVIAESKQASIADVDAAYEAAKKA
QAEWAATPAAERSAIIYRAAELEEHREEIWEWLKESGSTRSKANLEITLAGNITKESA
SFPGRVHGRISPSNTPGKENRVYRVAKGVVGVISPNWFLNLSIRSVAPALAVGNAVVIK
PASDTPVTGGVIPARIFEEAGVPAGVISTVAGAGSEIGDHFVTHAVPKLISFTGSTPVGR
RVGELAINGGPMKTVALELGGNAPFVVLADADIDAAAQAAAVGAFHQQGQICMSINRVIV
DAAVHDEFLEKFVEAVKNIPTGDPESAEGTLVGPVINDSQLSGLKEKIELAKKEGATVQVE
GPIEGRLVHPVHVSFSDVTSDEIAREEIFGPLISVLKADDEAHAAELANASDFGLSAAVWS
KDIDRAAQFALQIDSGMVHINDLTVNDEPHVMFGGSKNSGLGRFNGDWAIEEFTTDRWIG
IKRS

>RXN02675 TRANSLATE of: rxn02675.seq check: 8425 from: 1 to: 1857
MNEFDQDILQEIKTELDELILELDEVDTQTHSEAIGQVSPHYVGARNLMHYAHLRTKDLR
GLQQRLLSSVGATRLTTTEPAVQARLKAARNVIGAFAGEGPLYPPSDVVDADFEDAIDE
HAEILLGEPLPDTFSCIMVTLPTAATDIELVRGFAKSGMNLARINCAHDDDETVMKQ MID
NVHTVAEEVGREIRVSMDLAGPKVRTGEIAPGAEVGRARVTRDETGVLTTPAKLWITAHG
SEPVPAPESLPGRPALPIEVTPEWFDKLEIGSVINVPDTRGSRRRAFTVTRVFDGAVLAEG
PQKAYISNGTLLHNYDRSRVYGIPAVVQRINLKVGDRLILTDEELTYDPSLGSGRTPRI
SCTLPAQAVDAIKVGHVLFDDGAIAVAVCIDKSTADGHNDVELEVTHARPQGVNLAAKYG
INLPDSELPLPSLTHEEDLQHLRFVVKYADIAAISFIRNVADVEYLLQALADIGDPVAVER
LGLVLKIETIPGYEGLAQILLTGMRHENFGIMIARGDLAVELGFDMAEVPQLIMALAEA
AHVPTILATQVLENMAKNGLPSRAEITDAAMALRAECVMLNKGPINDAIKVLTEMSRKL
GASQRKSRLLLRKVKSWEE

>RXN02688 TRANSLATE of: rxn02688.seq check: 959 from: 1 to: 669
MAGRIILLRHGQTHNNVKHLLDTRPPGAELTDLGRKQALEVGHELATYSGERLAHVYSSI
VLRAQQTAVLATSTFEKARDMQSGAIPLDVVEGIQEIINVGDVFEMRGDEEAHMNYSRALNG

WLHGDPAAAGLPGGETYKDVNLRYQPTLDRIMDSHDLDDDRDVAVVSHGAVIRIVATHATG
VDPNFAFNTYLGNCRFVVLPEPNGKKFSQWDVVRWTDSPWPQE

>RXN02765 TRANSLATE of: rxn02765.seq check: 9432 from: 1 to: 759
MSNQLPDHVRDAFQVAGAPAEQLGQAWDFGFRVGNVFAKVTAPEVSGWSSKTRETLKPE
GVRVVRPIRSTDGFRFVAGWRASVFSTGTISKRVDETIVAGLRLADALVDTHAPEPVDNV
FNRADVQAWEEQPGRIGELLEPINRVNQVGHADMLATTLYAGTQPPAVTDLPVLRPHGF
TAALVIVDGLLLGAVDEGILRRFSLPEIEQLVLRALFLFRNLQEFSENNDPNVISNLNR
VESTLVSYVSDKI

>RXN02803 TRANSLATE of: rxn02803.seq check: 251 from: 1 to: 657
VSGEMLAAALSAGMASQGVDIRVGVIPTPAVAFLLTDDYGADMGMISASHNMPDNGIK
FFSAGGHKLDPHVEDEIERVMDSLPAEGPTGHGVGRVIEEATDAQDRYLEHLKEAVPTSL
EGIKIVVDAANGAASVVAPTAYEAAGATVIAIHNKPD SYNINMDCGSTHIDQAQPPVLKH
GADLGLAHGDADRCLAVNKDANLVDGDQIMALLAIAMK

>RXN02821 TRANSLATE of: rxn02821.seq check: 9220 from: 1 to: 240
MNEIILAQDATESTITGLGAVGYGIATIGPGLGIGILVGKALEGMARQPEMAGQLRTTMF
LGIAFVEALALIGLVAGFLF

>RXN02829 TRANSLATE of: rxn02829.seq check: 1194 from: 1 to: 273
MQKNILKSGIEISELGLGCMISLGTDYKKAQPIIESAIDNGITYFDTADIYDQGVNEEIVG
KALKKYQNRDDIVIGTKVGNRLTDDGHMTWD

>RXN02920 TRANSLATE of: rxn02920.seq check: 9771 from: 1 to: 912
MKFVMPHPLWESTTAVIEGGGHERVEDIKDADFIFFNGSAPEFPDLPENIKFVQASMAGI
DALVKRGVVNEKARWANAAGLYADTVAESTIGLILAQMHMHATTRLAKSWSVRPEVENNK
SWLHDNKTVAAILGAGGIGVRLLEMLKPFNVKTIAVNNSGRPVEGADETFAMDKAEHVWAE
ADVFLVILPLTDATYQIVNAETLGKMKPSAVVVNVGRGPLINTDDLDALNNGTIAGAAL
DVTDPPEPLPDHPLWEMDNVVITPHTANTNERIRALTGELTLRNIELFEAGEQMATEVDV
VAGY

>RXN03014 TRANSLATE of: rxn03014.seq check: 5818 from: 1 to: 906
YVGFEVLLVASVLLTLGASPARVRSGVGYVMVSMASSMVFLFGLAMVYASVGTNLMAHV
GLRMEDVPSGTRSAIFAVLLVAFGIKAAVFPDLSWLPDSYPTAPSLVTAVFAGLLTKVGV
YSIIRARSIIFTDGS�DTMLMWALATMLIGILGAMAQNDIKRLLSFTLVSHIGYMI FG
ALGSAQGLSGAIFYATHHILVQTSFLVVLVGLVERQAGSSSLRRLGSLAYISPLLAILYFI
PAINLGGIPPFSGFLGKIMLIEAGARRWQLAGMGPYRRRRCHLTAHLVHHGSGVLQGLLA
RP

>RXN03015 TRANSLATE of: rxn03015.seq check: 9736 from: 1 to: 282
LGVGTPQQKGTAAADLTIVRQVVEDLVPLLEGEHIIIFGKSTVPVGTAEQLQELADSLVKP
GSHVEIAWNPEFLREGYAVKDTITPDRIVGVRE

>RXN03030 TRANSLATE of: rxn03030.seq check: 5862 from: 1 to: 564
VLPLDPAASLKIYPLVTGRTKIDEVQLQLEAAIRAEPLPGVTLVSSESEADLAIVWARPEI
ALFEDDLEGVSLSDPRANGVDVERVQAVEAAVPTILAVNFTNPWVLSEIEPGAAAVVGT
FEIKPEFLLKALTGOEGGPKGKLPLTVPASMQAIADSPRDI PGKFLDESITYYVDSAGMAY
KYGHGLNF

>RXN03043 TRANSLATE of: rxn03043.seq check: 4634 from: 1 to: 1362
DLGFRQEVSRQGGIPSYPHPHGMKDFWEFPTVSMGLGPMDAIYQARFNRYLENRGIKD
TSDQHVWAFGLDGEMDEPESRGLIQQAALNNLDNLTFVVNCLNQLDGPVRGNTKIIQEL
ESFFRGAGWSVIKVVWGREWDELLEKQDQALVEIMNNTSDGDYQTFKANDGAYVREHFF
GRDPRTAKLVENMTDEEIKWLPRGGHDYRKVYAAKRALETKDRPTVILAHTIKGYGLGH
NFEGRNATHQMKKLTLDLKLFRDKQGIPITDEQLEKDPYLPYHPGEDAPEIKYMKER
RAALGGYLPERRNEYDPIQVPLDKLSVRKSGSGKQIATTMATVRTFKELMRDKGLADR
LVPIIPDEARTFGLDSWFPTLKIYNPHGQNYVPVDHDLMSYREAPQILHEGINEAGS
VASFIAAGTSYATHGKAMIPLYIFYSMFGIPAHR

>RXN03044 TRANSLATE of: rxn03044.seq check: 1253 from: 1 to: 831
MARGFLLGATAGRTTLTGEGLQHMDGHSPVLASTNEGVEITYDPSFAYEIAHLVHRGIDRM
YGPQKGEDVIYYITYNEPTPQPAEPEGLDVEGLHKGIIYLSRGEETGHEANILASGVGM
QWALKAAASILEADYGVRAIYISATSWVNLARDGAARNKAQLRNPAGADAGEAFVTTQLKQT
SGPYVAVSDFSTDLPNQIREWVPGDYTVLGADGFGSDTRPAARRFFNIDAESIVVAVLN
SLAREGKIDVSVAAQAAEKFKLDDPTSVSVDPNAPEE

>RXN03056 TRANSLATE of: rxn03056.seq check: 8420 from: 1 to: 678
LDAAGISLSAVGSDFGKINITDPFEDHLERARHGVEVAKLFGAKYIRMFSSFFIAEGDNPE
SFRKEVLSRTHAMVELAEAGGITLLHENEKGIYGDSPQRVKDLITSIDSPNYRAIYDAAN
YVQTGFKPFDEAWPIVKDYVDYVHIKDATIPDAEHPIGIIPAGQGDGQYPELLAALNAD
GYNGFVSIEPHLGDFDEFGLCGPDLWTSACDALAGILNNINAEN

>RXN03057 TRANSLATE of: rxn03057.seq check: 8669 from: 1 to: 672
LASDLGIKFAVAVVDKDLTAEKFATGLGAAGDSSESVKAHGSPLAFLSKKKIDVLHITT
PHDQHIGLALAEALHHGVNVILEKPLANELDQAQLRIDYLDENPDGPKIAVCYQNRNVSS
QELRRLDSDGLGAINGAYSSVWTRTPGYITQKPWRGQQAHS GGGLLMNQAIHTLDDLQ
WFLGKATEVKGTVSTDKYADVIDVEDTAHAYIGHESGVHTSEVS

>RXN03061 TRANSLATE of: rxn03061.seq check: 2307 from: 1 to: 330
VSLTFPVINPSDGSTITELENDSTQWMSALSDAVAAGPSWAAKTPRERSVVLTAIFEAL
TERAQELAEIIHLEAGKSDAEALGEVAYGAEYFRWFEEEAVRLPGRYQGS

>RXN03076 TRANSLATE of: rxn03076.seq check: 6328 from: 1 to: 1590
MDESRLSFGTAGLRAPVGPARGHQMNVLQVTRTTAGVASWLAERAAALNPVPHLVPEDETG
IGRALYPQDGLRVVVGIDARYGSHTFAATTAEVFAGAGFEVTLPTSPPTPLIPWLVNK
HGLDAGVQITASHNGAADNGYKVFLSNGRQLYSELEPELEAHINAVEDPIRVPRVTVRPT
ADQLRRYVDEMVS LVTDPQADLLRVNSERGNLRVVY TALHGVGGRAMANAFQFAGFPHTH
GVKAQQYPDPFTFPTVAFFNPPEPSAIELLLERAKEKNADILFALDPDADRCVAGGIRTADG
GHRMLSGDEVGTLATRLVPEYSGEGRPVVATTVVSSQLLGIIAEDKGWDYSETLTGFK
NLSRAADGLDGLPIAFAYEEAVGTCPVPDVVPDKDGISTALFMAWAAELKAQGASLQQKL
NELYRRYGYFASSQIAVRTSSPRELVDHWIAHPQOELIGVSVTPHILPEKQGIALHGQVG
HVHIRAIGRVSGTEAKAKLYLEVQGASSHDEAAQLLHQLEDEVQSWLSKL

>RXN03083 TRANSLATE of: rxn03083.seq check: 465 from: 1 to: 1023
MAKRIVIIGGGPAGYEAAALAGAKYGAEVTVIEDVGVGGS AVTMDCVPSKSFIAGTGIKTD
LRRADDMLNRLGLGAHLEIDALNIRVKDLAKAQSEIDILGQLQRSDVRMINGVGRFDDYN
TKQTTHYIKVTHSDGSEETVECDLVLVATGATPRILKGAEPDGERILTWQVYDIEELPT
HLIVVSGSVTGAEFVSFAELGVKVTMVASRDRILPHDDADAADVLETVLAERGVSLKX
ARVESVTRTEDGGVCVVRTADGREIYGSHALMTVGSIPNTADLGLNIGVELAPSGHIKVD
RSPAPTSPVCTQQVTVLTYSHWRLQRCRAVSPCITHSVKA

>RXN03086 TRANSLATE of: rxn03086.seq check: 7524 from: 1 to: 408
MADQAKLGKPSDDSNFAMIRDGVASYLNDSDPEETNEWMDSLDGLLQESSPERARYLML
RLLERASAKRVSLPMTSTDYVNTIPTSMPEFPGDEEMEKRYRRWIRWNAAIMVHRAQR
PGIGVGGHISTYAGAA

>RXN03087 TRANSLATE of: rxn03087.seq check: 9553 from: 1 to: 213
MKIYAPFAGIVHYFVDEGDPVETGMQLGTVETIKLEAPIMAPGPGIVAKVSFDDFSDVTG
GDELLELEAKN

>RXN03096 TRANSLATE of: rxn03096.seq check: 423 from: 1 to: 402
MVLVWSKAFWRDRKDAPDGATALARPAPLVDIQDEVAVKDRNDVGRMPWGMVFSTALLVS
ASLAVSVLAGPLSSITGRAESAQDVNIYRAAVLGPTTSTHHAHSRWSVTPTAMTSTTA
STPMERRTNHDQWI

>RXN03101 TRANSLATE of: rxn03101.seq check: 8362 from: 1 to: 582
ILADEDDTVDVGAIVARIGDANAAAAAPAEAAAPEEEEEPVKEPKKEAAPEAPAATGAA
TDVEMPESGESVTEGTITQWLKAVGDTVEVDEPLLEVSTDKVDTEIPSPVAGTIVEILAD

EDDTVVDVGAVIARIGDANAAAAAPAEAAAAPAEAAAEPVKEEPKKEEPKKEEPKKEAATTPA
AASATVSASGDNVP

>RXN03112 TRANSLATE of: rxn03112.seq check: 9249 from: 1 to: 504
VEIFGKTVGIVGFGHIGQLFAQRLAAFETTIVAYDPYANPARAAQLNVELVELDELMRSR
DFVTIHLPKTKETAGMFDHLLAKSKKGQIIINAARGGLVDEQALADAIESGHIRGAGFD
VYSTEPCTDSPLFKLPQVVVTPHLGASTEEAQDRAGTDIADSVLKALA

>RXN03117 TRANSLATE of: rxn03117.seq check: 3867 from: 1 to: 1512
MITHEVRTHRSAAEFPPYKKHLAHKMARVAADPVEVAADTQEMIITRIIDNASVQAASVLR
RPVSSARAMAQVRPVTGGRGASVFGLPGRYAAEWALANGTAVRELDHDTFLAAEYSHF
GDNIPPILAAQQAGKGGKDLIRGIATGYEIQVNLVRGMCLHEHKIDHVAHLGPSAAAGI
GTLDDLVDVTIYQAIGQALHTTTATRQSRKGAISSWKAFAPAFAGKMSIEAVDRAMRGE
APSPIWEGEDGVIAWLLSGLDHIYTIPLPAEGEAKRAILDYTKHEHSAEYQSQAVIDLAR
SMGEKLAAQGLDLRDVDSIVLHTSHHHTHYVIGTGSNDPQKFDPDASRETLDHSIMYIFAV
ALKDRAWHHERSYAPERAHRRRETIELWNKISTVEDPEWTRRYHSVDPAEKAFGARAVITF
KDGTVVEDELAVANAHPLGARPFAREQYIQKFRTLAEGVVSEKEQDRFLDAAQRTHELED
LSELNIELDADILAKAPVIPEGLF

>RXN03144 TRANSLATE of: rxn03144.seq check: 7951 from: 1 to: 900
TTTATRQSRKGEISSWKAFAPAFAGKMAIEAMDRAMRGEKSPAPIWEGEDGVIAWLLSGK
DHVYHVPLPEHGEPKLGILETYTKHEHSAEYQSQAVIDLARRMKPLVDAAGGTEHIAEIVL
RTSHHHTHYVIGTGANDPQKMDPQASRETLDHSIMYIFAVALQDGVWHHEFSYTRKRSTRP
ETVELWHKIRTVEDPEWTRRYHSDDPAKKAFGAKAVITMADGTVIEDELAVADAHPLGAR
PFARENIEKFRTLAQGIVIDSEQERFLHAVQSLPDLDDLQNLNIEVDISNQATKAGLL

>RXN03150 TRANSLATE of: rxn03150.seq check: 9986 from: 1 to: 624
VEAQFTSPLLNNQTCFLGTRILAPKSRYAEEVVDAAFTAFAGSLQVGVTSPPDTQIGPMAT
ARQRRVESYISQGNAGARITVGGSRPRDLDAAGFFVEPTVFADVDNRRAIAQDEIFGPV
PSVVSQDDEHAIQLANDSEFGLGGTVWTS DPERGAALARRVHTGTIGINRYIPDPAAPF
GGVKNSGLGRELGPGLASYQETQTIYL

>RXN03179 TRANSLATE of: rxn03179.seq check: 7214 from: 1 to: 666
AREAWRIFMSHWDLIYAGTATGYWVEQEFHVFGINAERLNVGTPEHADAIFDELTDILAK
PDFRPRALAEQFNLEVLATDDPLDDLADHKALADDPFSPRVLPFRPDAYTKMYNAGW
AEKTTKLIDTAGDGKAGWEGYLQAMRNRRQYFINHGATSADHGLHDTDTTPLSHKDAQKI
LDKGLAGTATLAEMHAFEANTTYRSRKCPRRLVMTIHQVCT

>RXN03180 TRANSLATE of: rxn03180.seq check: 39 from: 1 to: 510
FGENKDLISDSSFNRWLRTVSLGSTQDADMAAASNLAANSKMARQNTDILDVSDGGVM
LGRNGALVLGPVVGTLHIKFIAPLNKRVERVMYKTGLSEAAAAEQCALEDRLREEMAHAL
YQWNPGRDENYDLVINTGSMTYEQIVDLVVETIYARKYPLHVRIIPNGKDQ

>RXN03186 TRANSLATE of: rxn03186.seq check: 9438 from: 1 to: 210
MADQAKLGGKPSDDSNFAMIRDGVASYLNDSDPEETNEWMDSLDGLLQESSPERARYLML
RLLERASAKR

>RXN03187 TRANSLATE of: rxn03187.seq check: 1211 from: 1 to: 279
VAVSDFSTDLENQIREWVPGDYTVLGADGFGFS DTRPAARRFFNIDAESIVVAVLNSLAR
EGKIDVSVAQAQAEKFKLDDPTSVSVDPNAPEE

>RXS00584 TRANSLATE of: RXS00584.seq check: 7788 from: 1 to: 1125
MHSPERQEKMSPPVSLNAASTSNKRVVAFHELPSPTDLIAANPLTPKQASKVEQDRQDIADIFAGDD
RLVVVVGPCSVHDPEAAIDYANRLAPLAKRLDQDLKIVMRVYFEKPRITVIGWKGLINDPHLNETYDIPE
GLRIARKVLIDVVDLPVGCFLPNPQYADTVAWGAIGARTTESQVHRQLASGMSMPIGFKNGTD
GNIQVAVDAVQAQNPHEFFGTSDDGALS VVETAGNSNSHII LRGGTSGPNHDAASVEAVVEKLGENAR
LMIDASHANSCKDHIRQVEVVREIAEQISGGSEAVAGIMIESFLVGGQNLDPKLRINGGEGLVYQGS
VTDKCIDIDTTIDLLAELAAVRERRAAK

>RXS01260 TRANSLATE of: RXS01260.seq check: 3260 from: 1 to: 1182

VTFNYEDAHKRSRGVSDKIVGGVHYLMKKNKIIIEIHGLGNFKDAKTLEVTGKDAGKTITFDDCIIATG
SVVNTLRGVDFSENVVSFEEQILNPVAPKKMVIVGAGAIGMEFAYVLGNYGVDVTVIEFMDRVLPNEDA
EVSKVIAKAYKKMGVKLLPGHATTAVRDNGDFVEVDYQKKGSOKTETLTVDVVMVSVGFRPRVEGFGLE
NTGVKLTERGAIEIDDMRTNVDGIYAIGDVTAKLQLAHVAEAQGI VAAETIAGAETQTLGDYMMMPRA
TFCNPQVSSFGYTEEQAKEKWPDRKIVASFPSANGKAVGLAETDGF AKIVADA EFGELLGAHLVGN
ASELINELVLAQNWDLTTEEISRSVHIHPTLSEAVKEAAHGSGHMINF

>RXS01261 TRANSLATE of: RXS01261.seq check: 5376 from: 1 to: 171
VTEHYDVVVVLGAGPGGYVSAIRAAQLGKKVAVIEKQYWGCVCLNVGCIPSKVSDQKR

>RXS01758 TRANSLATE of: RXS01758.seq check: 8853 from: 1 to: 1017
MPKYIAMQVSESGAPLAANLVQPAPLKSREVRVEIAASGVCHADIGTAAASGKHTVFPVTPGHEIAGTI
AEIGENVSRWTVGDRVAIGWFGGNCGDCAFCRAGDPVHCRRKIPGVS YAGGWAQNI VVPAEALAAIPD
GMDFYEPAPMGCAGVTTFNALRNKLDPGA AVAVFGIGGLVRLAIQFAAKMGYRTITIT IARGLEREELAR
QLGANHYIDSNDLHPGQALFELGGADLILSTASTTEPLSELSTGLSIGGQLTIIGVDGGDITVSAAQLM
MNRQIITGHLTGSANDTEQTMKFAHLHGKPLIERMPLDQANEAIARISAGKPRFRIVLEPNS

>RXS02574 TRANSLATE of: RXS02574.seq check: 9855 from: 1 to: 1008
LARAQIPEQQRDQVASLMMVGVANYDQALDALNQGVGGIFIGSWTDENLLTEPGRNIEALREAVGRDFS
VSIDFEGGRVQRATNIGDFPSPRVMAQTMTPEQVEDLAEILGTGLAAHGVTNVPVVDVDAWGLPVV
GDRSFSNDPAVAATYATAFAKGLSKVGITPVFKHFGHGRASGDSHTQDVVTPALDELKTYDLIPYQGA
LSETDGA VMVGHMIVPGLGTDGVPSSIDPATYQLLRSGDY PGGVPFDGVIYTD DLSGMSAISATHSPA
AVLASLKAGADQALWIDYGLSLSAIDRVDAAVSSGEYPQEQMLASALRVQLLYITRLEQK

>RXS02735 TRANSLATE of: RXS02735.seq check: 6182 from: 1 to: 705
MVDVVRARDTEDLVAQAASKFIEVVEAATANNGTAQVVL TGGGAGIKLLEKLSVDAADLAWDRIHVFEF
DERNVPSVDSSENEGQAREALLSKVSIPEANIHGYGLGDVDLAEAA RAYEAVLDEFAPNGFDLHLLGMG
GEGHINSLFPHTD AVKESSAKVIAVFDSPKPPSERATLTLP AVHS AKRVWLLVSGAEKAEAAAAIVNGE
FAVEWPAAGATGSEETVFLFLADDAAGNL

>RXS03215 TRANSLATE of: RXS03215.seq check: from: 1 to: 1008
IDVVSVVVANFLHREIVEALLASGKHVLCEKPLSDTIEDAEAMIEAAGRAATNGTIARIGLTYRRSPGV
AHIRDLVQSGELGKVLHVTHGYWTDYGSNAQAPISWRKYGPNGSGALADVGSHTLYLAEFVAGSDFAAV
RGGQLSTVITERPKPLCAIVGHEGGA VSDYEAVENDDIASFSGSFIGGGTATLQVSRISQGHNTLGF
EVFCEKGSVLFDFRNSGEFKIFT PATSGDISQEAGYRTITIGPKHPYWRGGLAMDAPGVGIGQNEG FVF
QARAFLEEIAGISEAESLPRCATLEEGHLNMQLIDAVSQSAAAGGETVAVPAAALIPANN

>RXS03224 TRANSLATE of: RXS03224.seq check: from: 1 to: 1158
MSFAEHAI IWHVYPLGALGAPIRPEAPAPVTHRLPNLIGWLDYVVELGCNALMLGPVFESVSHGYDTLD
FYRIDPRLGTEEDMDALLEANQRGIGVLF DG VFNHVSSSSSKYLDLTGASFEHGDILAELDHTNPAVV
DLVVDVMNHWLDRGIAGWRDLAVYAI APEFWEKVLPEVRRKHPHAWIVGEMIHGDYSDYV KSSGIDSVT
EYELWKAIWSSIKERNFFELEWTL SRHNEFLDTFVPQTFIGNHDVTRIATRIGQSNAILAAAILFTVGG
TPSIYYGDEQGFTGLKEDNVFGDDAIRPPLPAEFSPLGTWNIENIYKALIALRRQHPWL YQAHTEVLEIA
NEAMTYKSVGLGGEELTVHLDLEEVSVRILDGEKVLFOYSA

>RXC00233 TRANSLATE of: RXC00233.seq check: 7055 from: 1 to: 417
MSVNEADLNAVEEQ LGRAPRGVLDISYRSPDGVPGVVM TAPKLDDGTPFPPTLYLTDPRLTTEASRLEV
ALVMKWMTDRLSTDEELRADYQRAHEHFLAKRNAIEDLGTD FSGGMPDRVKCLHVLIDYALAE GPHHF
L

>RXC00236 TRANSLATE of: RXC00236.seq check: 116 from: 1 to: 726
MVISFVGWALS FMDGTAPIRQLQQIPEDVPPARGVEVPQIDTEADGRTSNHLRFWAEPIAQDTGVSAQA
IAAYGNAELIASTAWPGCNLGWNTLAGIGQVETRHLGTYNGKMEGGSSLDENG VATPPIIGVPLDGSPGF
AEIPDTGGELDGDTEYDRAVGPMQFI PETWRMLGDANGDGVADPNQIDDAALSAANLLCSNDRDLST
PEGWTA AVHSYNMSNQYLMDVORDAAASYALRQPAI

>RXC00271 TRANSLATE of: RXC00271.seq check: 7582 from: 1 to: 990
MFSSRSKVLASIFTVGALALASCSSDSSDSSSTSTDAAGGDSYRVGINQLVQHPALDAATTGFKAEFEEA
GVDVTFDEQNANGEQGTALTISQQFASDNLDLV LAVATPAAQATAQNITDIPVLFTAVTDAVSAELVDS
NEAPGGNVTGTSDIAPIEQQLELLQQLVPDAKSIGIVYASGEVNSQVQVDEVTKAAEPLGLSVNTQTVT

TVNEIQQAVEALGDVDVIYVPTDNMVVSGISSLVQVAEQKQIPVIGAESGTVEGGALATLGIDYTELGR
QTGEMALRILQDGEDPATMPVETATEFTYVINEDAAERQGV EIPQEILDKAERV

>RXC00338 TRANSLATE of: RXC00338.seq check: 9343 from: 1 to: 1140
VSDVTVGDIRRILDEAYPPALAESWDKVGLICGDPTESVKRVGLALDCTQAVADKAVDMGLDMLIIHHP
LLL RGVTSVAAD E PKGKVIHTLIRGGVALFSAHTNADSARPGVNDKLAELVGITAGRPIATRLLGGMDK
WGVHVL PKDAAYLKMLFDAGAGAIGDYRECAFEIEGTGQFRPVEGANPAEGDV DKL FKSLELRIEFVA
PRNLRLRLTSVLREAHPIEPAFDIVEMHSAESLENATGLGRVGELPEPMLRADFVQQVANNLPVTEWG
VRATGDPEQMVS RVAVSSGSGDSFLNDVIKLGVDVYVTSDLRHHVPVDEYLREGGPAVIDTAHWASEFPW
TSQAQEILQDKAPQVEVDVISIRTPWTMSARAVN

>RXC00362 TRANSLATE of: RXC00362.seq check: 1707 from: 1 to: 1347
MGIIALLVFIAIAVILNVFLKRDISEALLVGLVGTALVGGVNAPTLLIDAVVDAAQSEVTFAGMAFVFM
GIVVQSTGLIDRLIAILNSIFGRLRGGAGYVSTLGSALIGLIAGSTAGNSATVGSVTIPWMKKTGWTA
RSATLVAGNSGLGVALPPNSTMFIIALPAAAASSASQVYIALACGGAYAVLYRLAVVFYWRKDKIPA
TPDDQRV SFGEAMKTGWRSP LIFLGILIPVILTIGPLSEWLKTHGVGESGVKSMSIIVWVPILITAI
IEGRKRIANNMAHFRVQISKDLPQFATVGISLFSALAAANIMEELGVGPQLSNWLD SMDLPKSV MVIIV
CIMCIVVATPLSSTATAAAIGAPAVAALA AVGIDPTVAIVVILLCTSTEGASPPVGAPIYLSAAIADAN
PTKMFVPLITYFVVP MILLAWLVGMGFLPVIVPTG

>RXC00412 TRANSLATE of: RXC00412.seq check: 7568 from: 1 to: 1080
VSHTASTPTPEEYSAQQPSTQGTRVEFRGITKVFSSNNKSAKTTALDNVTLTVEPGEVIGIIGYSAGKS
TLVRLINGLDSPTSGSLLNGTDIVGMPESKLRKLR SNIGMIFQQENLFQSR TAAGNVEYPLEVAKMDK
AARKARVQEMLEFVGLGDKGKNYPEQLSGGQKQRVGIARALATNPTLLLAD EATSALDPETTHEVLELL
RKVNRELGITIVVITHEMEVRSIADKVAVMESGKVVEYGSVYEVFSNPQTQVAQKFVATALRNTPDQV
ESEDLLSHEGRLFTIDLTETSGFFAATARAEEQGA FVNIVHGGVTTLQRQSF GKMTVRLTGNTAAIEEF
YQTLTKTTTIKEITR

>RXC00526 TRANSLATE of: RXC00526.seq check: 7744 from: 1 to: 690
MSLIEMRNIVKTYNIGSEGELTVLHGVD FHVDRGEFVSVVGTSGSGKSTMMNIIGLLDKPTDGTYTLDG
VDVLDISDDALASHRAKSIGFVFQNFNLIGRIDALKNVEMPMYACIPAKQRRSRAVELLEVMGMGERL
NHEPNELSGGQKQRVAIARALANDPEIILADEPTGALDSATGRMVMDIFHQLNKEQKGTIVFITHNPEL
ADESDRVVMTVDGRIIGSEVKHS

>RXC01004 TRANSLATE of: RXC01004.seq check: 9066 from: 1 to: 1062
VSIWATVLLIIIVLLSANAFFVAAEFALISSRRDRLD SLVSQGGKGAEKVLYATEHLSIMLAGAQFGITV
CSLILGKVAEPAIAHPIEVPFTSWGVPNDLIHPISFVIALAIITWLHILFGEMVPKNIAIAGPETLGMW
LAPVLIAFVKITRPLIEFMNWIARLT LRAFGVEQKNELDSTVDPEQLASMISESRSEGLLDAEEHARLS
KALRSEQRSIKELVIKDEDVRTLA FGKSGPTLHQLEEAVRETGFSRFPVTGRDGSYLG YIHIKIDILPRL
ADPEMPDSETIPRSALRPLSNVDADGLMDVDLDFMHYRSAHMAQVRLKGELLGVITLEDLIEEYVGTVN
DWTHESSDD

>RXC01017 TRANSLATE of: RXC01017.seq check: 6264 from: 1 to: 609
MAQKVTFWFDTTCFFCWVTSRWIKEVEQVRDIEIQWVPM SLAVLNEGRDLPEDYKERMKAAWGPALVFA
AVATDHADKLGDLTAMGTRIHNDGRGPIEGSFNDVIAEAL EEVGLDAALGEVADTTEWDDALRAFHQ
TAMDEVGNDVGTVPVKLGDTAFFGPVLTRIPRGE EAGEIFDASFKLASYPHFFEIKRSRTENPQFD

>RXC01021 TRANSLATE of: RXC01021.seq check: 6144 from: 1 to: 522
MSSSESSRSEGSQPAPSVQPERRADSTGAPAAASKEASQQMDAAGVLEWARTAVEQLSERRAEINALNV
FPVPDADTGSNM TYMTAALDEALKLGELGDVARITEALAVGSVRGARGNSGVVLSQVLR AIAQAAADG
VIDGHTIQEALS IARSLVDRAITDPVEGT VVTVLRS

>RXC01212 TRANSLATE of: RXC01212.seq check: 3583 from: 1 to: 924
MPMTTTPAIDVTDLVRTYGDYTAVKGLNFHVQRGEVFGLLGTNGAGKTSTLEVIEGLSAPSSGTVRISG
LDPVADRAILRPELGIMLQSGGLPSQLTVAETMDMWHGTCTYPRAIKDVLADVDLLHRENVKVGALSGG
EQRRDLACALLGDPSILFLDEPTTGLDPESRRHTWQLLLDLKQRGVTMMLTTHYLEEAEFLCDRIAIM
NAGEIAVEGTLDELVAREKSIISFVL RGGQVELPVLSGAEIIRDNNHVRIATTTLQQTLEILTWAET
GIALEGFAAKPATLESVFMDIASLENTSLQTA

>RXC01306 TRANSLATE of: RXC01306.seq check: 7259 from: 1 to: 1008

MTEWYVVLPAIILLIALSAFFVIIIEFALLAARRNRLEETVETSRSSRAALRSLNELTLMLAGAQLGITM
VTFALGAITKPVVHYALMPLFEWARIPLVMADVIAFILSLFIVTFLHLVIGEMAPKSWAIAHPETALRT
IAIPARGFINLFRPLLQWINKMANDLVRKVGETPVDRAAAGGYDSDLHALIEHSRETGALDQQAQI
SGI IKLDKITVGTLTASPFTHSASATVAEVQAAAQSRGSLRVLIDAPSHLFPHVIHVRDTLGASPD
ASKWSRPILTVAETDTLHQALEYMRHNEQISAVLSADGKTVLGVITWDHILKYLWPASV

>RXC01366 TRANSLATE of: RXC01366.seq check: 5562 from: 1 to: 390
VSQFRRCRPGCGKPAVATLTAYSDSTAVVGPLAPAAEPHSWDLCEHHAERITAPLGWEMLRVNDIKV
DDDEDLTALAQAQVREAGRTVSGLVPEDEVGGNHPVNRSARIAEQKVHRRGHLYVVPDQDES

>RXC01372 TRANSLATE of: RXC01372.seq check: 5614 from: 1 to: 591
QDTFVLPTLPTAAGLSPARIVASISTLLDLLEADPSIISDRLEHLADCIDEEVESLSPERDELVNPGRK
LRAYVDHARIVHTGRTDVGLAIANVIAPIWTRRGLVSAVLDFPELMESLPELRGPEPITDDIFHDPFID
DEPGVVPFRAVWAAEEEPGIPDAMAQSCDGPSKGALTQALRLLVRGQSATTYSIEEKDL

>RXC01659 TRANSLATE of: RXC01659.seq check: 8569 from: 1 to: 546
VAGVAQRFVDERIHVGLDSMPEAVTAVWMESDWVLAETIKGSTPSDWEEILRPLALLTDASFTLPPRST
RAQTLDLKHLEPSRLKPEQPEKPAFTPNASEEDLSQPLVIRPEEPLQMPVRGVQESRGVVEPRSLGADD
VESIAEGDPERPSDLYGTRVLRDLNGQSSIFQDSTDADEPPKKW

>RXC01663 TRANSLATE of: RXC01663.seq check: 7844 from: 1 to: 858
MEISVLIIAALILVAGIVLWRADSSKQAAKKAESPVGSVAPAPVLVEEEDPEFEPELDPEPEAQPEPE
LEVAPRFAPEPVQDLEPDQAEDIYFDDSPELDADVENALAELETEVEDYPEEPVQSEQPAPATAEVAAD
EEQRGVDKHSFLSSSLPGSQRRERRNWAAKHHFDFIKEDAFLTDEWSRGAASTGAVARDVVSMAEGYET
HLVDLAGVPVMMAMRGITSDVVIDARRGEQPADPEREESDDLVEIDTVSGFRLLSTWRGLRSVLSTSÆF
TSVWIPCQKL

>RXC01693 TRANSLATE of: RXC01693.seq check: 6379 from: 1 to: 1422
MNTAPFKLEADFAALPTMAAPWQGEAPNPVLINDDLAYSLGLDPTWLRTPEGVQFLLGLNPEPLT
KAVAQAYSQGHQFGQFVASLGDGRALLLGEARSADGVLHDIHLKSGSGRTQFSRGADGRAVLGPVLRREYII
SEAMHALGVPTTRSLAVISTGRKIQRGSGVAPGAVLVVRVATSLIRVGSFQYSNISGGIELSQHLANYTIT
RHEPSLVAELSAPTPTATYVSLFKAILQRQADTVGKWTRLGFVHGALNTDNTLISGETVDYGPACAFMERY
RGDAKFSSIDTYGRYKFENQPMILGWNMARLVETLLFLGATPDEGMTAAQEALVEFDDLCEQAIRKEF
ATALGLDESSTGTVEQFRELlyLHNPDIITLLRALTDNTAPPSGFEEAFVHDWKTQDPDIEAMRAVNPEF
IPRNHLVEAALADAVEGNLEKFHELLAAVTNPFDPDTPAGPDELRLPSEEGFEEDYMTFCGT

>RXC01703 TRANSLATE of: RXC01703.seq check: 3504 from: 1 to: 1113
VAWPSNAKEKLFHWHYWWQAHYLDCLVDAARRRTTKARRDRIRDITIRGISVRNVGKLTSNRYDDKAW
LALALGRAGKVRKVRTPKSLPSLEQNIVDGDIDSLTGVLPWRSGETFYNVPSNGPAAIMMARTDRLEAM
KITDWIFDNLIDGDGLVMDGLMRMHGPELVRSIHPYCQGVAGACLEIALKLRRERAGLTTTVVDHWS
ADKAEDSLKYFAHIHAVVQAVSRKMTNFHGVIDWDTGDDGGLFKGILVRYLADVAIRLPDSSPTNRET
KKIAARLVLESAESVWNHRLVDGLPVFATDWTTDARLPQNFGLSSSSSLSDLVSVVRVDERDLVQLSG
WMLMEAAAKVAEELENNNGNSYTGRSR

>RXC02254 TRANSLATE of: RXC02254.seq check: 1030 from: 1 to: 777
IAVAEEGGLWENLLQHREFGGHGALAGHALGNLVIAALTDILGTSQHALDQIAQLAGAKGRIIPVCAEPL
DLEAEVSGLDSDARVMRQVRGQVAVAAATPGQVRRVRIIPDNPEPNPAAIEAILDADLVTLGPGSWFSSV
IPHILVPGIVDALAQTKATKTIVLNLITSEPGETAGFSAERHIVLRQHARNLQVDQVIVDAKTLSSQTE
RNHVERAARTLGAEVSFHDVQAEDGRGRFTSIHDPKALCAALLASFAGARKR

>RXC02255 TRANSLATE of: RXC02255.seq check: 729 from: 1 to: 936
VAKNSVRAAEVSAILRFAGEMQAVGGKLVIEANLDSMQVGMRLQEFIQGLYNSRVDVHTVNPTVSRKTP
RYLVRIIDNADEIARRTGLVTRSGHVVKGLAPSVSSTISDAEAAWRGAFLANGSLSDPGRSSSLEVL
PGQESALALVGCARRIGIAAKTKDSRGFDRVNVRDAAEIGALLTRMGAQKTRMLWEEKRIKRESRTPQT
GLANFDDANLRRSARA AVAAAARVERAMKILGDDVPEHLAEAGQLRVQHRQASLEELGRLADPQMTKDA
VAGRIRRLTMDADKRAEDLKIPDTNSVVTEDLLEEI

>RXC02435 TRANSLATE of: RXC02435.seq check: 470 from: 1 to: 558

VTDNLGSTSIGDAWILYAPLMDDGGFGPLRAIGGMFLHIGPGHMLLNVLWLLGREIERDFGSALFTA
MYFVGGIGASAAVIWMDPYSPTAGASGAIYAMMAILVGLFVLRSAIDIRAPLILIAINIAYTLMSTNVSL
WHLGGLITGALITWPMVKAKTQRTRWIIIVLIGFAVVVAAVILGIDRV

>RXC03216 TRANSLATE of: RXC03216.seq check: 470 from: 1 to: 558
MKLGLYNAIFHDRTLPEALAAIKAAGLTGIELNTGGFLPATHIPTIDDILVSDDARDEFLGIFEGTGVD
IYGLNCNGNPLHPNKAIGDKHAEDIRRSIRLAERLGQNRVVTMSGLPGGEPGAKYTNWVVNAWNSAALD
VLDYQWDIAAEFWRETDREFAADHGVKVALELHPQNIVFNSADVHKLIDLTGATHVGVELDASHLFWQQM
DPIAVIDHLGELIFHAAAKDVRVNKEWAQLNGVLDNSFRRLDPSENRTNLGGDEWANERPKN SAWDFVA
LGRGHDVAYWTEFLRALHRVDPNMLVNIHEDVSLGREGVNEAAKVLEANKALEESLVS